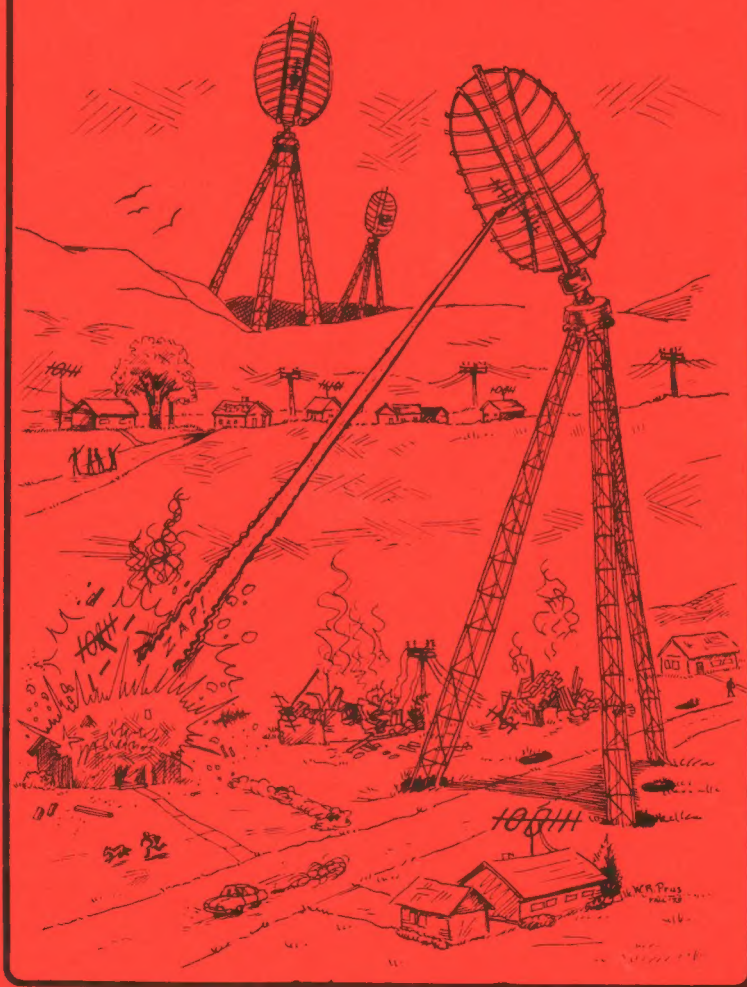


# VHF-UHF DIGEST

1973  
OCTOBER



# **publishers' notes...**

**WTFDA HEADQUARTERS, P.O. BOX 163, DEERFIELD, IL 60015 USA**

**INVASION FROM MARS!..** This month's cover highlights the 1938 Orson Welles broadcast, based on "The War of the Worlds". Through the creativity of Wanda Prus, we view Martian tripods destroying only the homes equipped with FM antennas. With that in mind, see how many FM stations you can log on Halloween, broadcasting this popular feature. If you should hear loud crashing noises from outside and suddenly see a parabolic peering through the window, it's time to quit!

**ACTIVITIES CHAIRMAN STILL NEEDED...** As of this date, we are still in need of an activities chairman. The post was described in the September VUD and is very much worth considering. If the position sounded of interest and you'd like to help the club, drop us a line today.

**A POOR TROPO SEASON?..** Outside of a couple of scattered days, the fall tropo season hasn't produced much action. The unseasonably cold and wet fall weather has squelched one of our favorite forms of DX. Let's hope that the tropo has only been delayed and not washed out.

**EDITORS NEEDED...** In the coming months, WTFDA will be in need of several new editors. As described elsewhere in this issue, Mike Dörner has found it impractical to continue editing WESTERN FM-DX. A replacement editor for this post is needed immediately. Glenn Hauser will soon be stepping down as STATISTICS editor (if interested, write to Glenn directly) and in the Spring, Dave Pomeroy will step down as EASTERN TV-DX editor (if interested, write to Dave directly). All of these positions require good typing skills and a modest amount of work. Most DXers find that the increased contact with other members is quite enjoyable. No stencil work is required, as columns are typed on ordinary paper. A two dollar postal credit is given to editors.

**ARE YOU PREPARED FOR WINTER?..** Just as one needs to prepare for the DX season, a pre-winter check is also in order. Pay special attention to guy wire connections and hooks. Winter winds can be stronger than you might expect... Check all your feed line and rotor connections and see that the leads won't flap in the wind. Is your array the way you want it? A change probably can't be made again until the warm weather of 1974.

**BITS...** Don't forget about last month's survey form. If you haven't yet done so, fill it out and mail to Terry Colgan. Let your views be known!.. The December-January meteor showers will be here soon, prepare now with this month's "Bob's Tek Notes"... The DXING INTRO (NMP) is in the process of being typeset. If you've been waiting, hold on!.. Another reminder that WTFDA will no longer accept third class renewals. You'll find that first class service is much faster and VUD's are envelope sealed. We will continue to attempt to fight inflation by maintaining the first class dues at \$9. Quite a bargain, considering that most other ANARC clubs are \$10+... Several new members have commented about their "large" totals. They should keep in mind that for ranking purposes, their total must conform with the WTFDA Guidelines. A copy can be found in the May 1973 VUD (available for 75¢ from HQ)...

73,

Gary and Morrie



Terry Colgan  
P.O. Box 18268  
Serna Station  
San Antonio, TX 78218

# WTFDA MAILBOX



It's October, and a good time to start dropping hints to the wife and kids about that new receiver or antenna you'll be buying yourself for Christmas.

Again this month, WTFDA welcomes a fistful of new members:

Bill Bens  
James A. Brown, Jr.  
Bob Bundy  
Kenneth Chatterton  
John F. Combs  
Dale Connally  
Ricky Glasgow  
Randall D. Goodwin  
Carey L. Jones  
Hubert Miller  
Mark Reboul  
Marvin E. Robbins  
Dan Sheedy  
Jim Sokol  
Edwin E. Turner

401 E. Chelsea Circle  
1400 S. Joyce St.  
37 N. Main St.  
R.F.D. #2  
816 W. Harvard St.  
7065 Cantaloupe St.  
P.O. Box 16  
Northeast Points  
1032 Penn  
6811 Woodlawn NE #32  
132 Ramblewood Rd.  
7805 Woolworth Ave.  
P.O. Box 31  
1319 Spruce St.  
P.O. Box 114

Ft. Mitchell, KY 41017  
Arlington, VA 22202  
Homer, NY 13077  
Mannsville, NY 13661  
Orlando, FL 32804  
Van Nuys, CA 91405  
Ackerman, MS 39735  
Shelburne Cay, NS  
Columbus, IN 47201  
Seattle, WA 98115  
Morrestown, NJ 08057  
Omaha, NE 68124  
Encinitas, CA 92024  
Reading, PA 19602  
Siasconset, MA 02564

Now to the news.

When not teaching weight-lifting, DAN SHEEDY DXes the broadcast and shortwave bands and occasionally tunes the FM bands. Dan's equipment includes an SPR-4, a Joystick antenna and an FET BCB loop.

MARV ROBBINS spends most of his time on the FM and SWBC frequencies, using a Hammarlund HQ-180A and a Scott 342-C. Marv also spends a little time on the TV and VHF-UHF utility bands.

RICKY GLASGOW is a converted SWL whose recent DX catches include CMEL-5, Santiago, Cuba, and KTVQ-2 in Billings, MT.

WTFDA welcomes back RANDALL GOODWIN. His equipment includes a Heathkit GR-371, a 7-ft. UHF dish and a high-band yagi atop a 75-ft. tower.

JOHN COMBS just started using a new log-keeping style, but before switching, he'd logged 20 stations in 11 states, one province, and El Salvador. John notes that because of locals, his viewing is confined to channels 3 and 4.

"Hillbilly" BILL BENS moved to Kentucky only to discover his membership had expired. Bill notes that he'll probably be fairly inactive since he can't erect an outside antenna.

Alden, NY member, JERRY MONROE, holds ham call WH2CQR in addition to BCB, TV and FM DXing. Jerry's shack contains an RCA TV, a 19 el VHF yagi, and a Hammarlund SP-600.

DALE CONNALLY spends his working hours as a Revco Service Technician; and his spare time FM DXing with a Revco A76 tuner, a Telefunken BJ56 dual-conversion FM receiver, an Ameco PCFM pre-amp, 2 Winegard SC-650's and an Alliance V-100 rotator.

Student broadcast engineer, GARY KNAACK, outfitted his Elm Grove Village, IL, "DX den" with a Panasonic TR-910VN TV receiver coupled to a Jerrold PAU-500 antenna, and a Panasonic SA-5500 FM receiver.

KEN CHATTERTON has been DXing since 1946, but lost all logs and QSL's in a 1964 fire. He uses a Matsushita 730 AM-FM receiver with a transistorized pre-amp 19 el VHF/UHF LP antenna at 30 feet. Ken lists his interests as AM, FM, SW, and TV, in that order.

Response to the membership survey has been fair, with 30 questionnaires received at typing time. This survey is important as it will determine editorial policy for the VUD, as well as providing statistics on WTFDA membership. If you've not mailed the survey included in your September VUD, please do so before October 30. It'll be the best 8¢ you'll spend for WTFDA!

73 in '73,

*Terry*



# TECHNI-

# CORNER

Conducted by:

David T. Janowiak  
3661 South 46 Street  
Greenfield, Wisc.  
53220

## TURN YOUR ATTENTION TO ALLIANCE ROTATORS PART II

### ALLIANCE MOTORS

Although the control boxes of all four Alliance rotator types vary, all Alliance motors (term used to describe the complete motor in a weatherproof, zinc, die-cast housing) look very much alike. In fact, they are virtually alike inside and outside!

Figure 4 is a close-up of an Alliance motor. Any Alliance motor. At the right center is a removable piece of cast housing held by the two larger nuts. This housing and its mating waterproof gasket, when removed, reveal the four or five terminals to which the interconnecting cable must be tied. The two small screws (at lower right) crimp the cable, preventing cable motion.

**NOTE:** Figure 4 shows an older motor. Now, a single plastic piece replaces the two separate metal pieces that covered the terminals and crimped the cable.

The vertical antenna mast fits through the center of the motor housing. The top and bottom U-bolts grip this mast and force it against cylinder flanges. Because this cylinder is geared to the motor, as the motor shaft rotates, this cylinder, the U-bolts, mast, and--of course--antenna rotate also. Rotation through 360° takes about 55 seconds.



FIGURE 4. ALLIANCE MOTOR

Beneath the top U-bolt is a rubber shroud that keeps water from running down the antenna mast and into the housing. The color of this shroud allows a match of that particular motor and a particular control box: black shroud for K-22, yellow for T-45, blue for U-100, and green for C-225.

The housing is held to the support mast by four screw/bolts (two are visible on the left of Figure 4) and a holding nut/bolt that pass through a support bracket. Several holes in this bracket allow connection of guy wire.

Unfortunately, the motor cylinder can accomodate antenna masts no larger than 1 3/8 inches outer diameter. Some rotators take up to two inch masts.

Inside the motor housing are the bidirectional motor, magnetic brake, gearing, position sensor and--on some models--overload sensor. All motors, gearing, and braking are identical. Items are lubricated for life.

The motor is a two-winding type that receives from 24 to 28 volts ac from a step-down transformer in the control box. Motor torque (the ability to produce motion) is adequate, although not as great as the Cornell Dubilier types. Motor braking (stopping) is excellent, and very little "coast" occurs when motor power ceases. Unlike some Cornell Dubilier versions that "wind mill" (antenna blows off direction because motor brake does not hold), I've never seen an Alliance brake fail to hold.

Any rotator becomes sluggish as temperatures drop. Consumer Reports noted that Alliance motors operated better at lower (zero and below) temperatures than Cornell Dubilier types.

The gearing simply translates the higher motor shaft speed into a slower, but higher torque, cylinder movement. This same gearing produces (in part) the position indication signal. This may be a simple end of travel contact closure, resistance change, or incremental contact operation, depending upon the control box. (to be described later). In fact, with a bit of "rework", one motor can be made to work with a different control box. For example, a motor for a manual T-45 control box can be easily modified for use with an automatic U-100 control box. However, indiscriminate "mixing" of motors and control boxes without modification may cause component failure. If you pick up several motors and control boxes at hamfests or closeouts, be sure the components match before they are connected. Early versions of Alliance motors may not have used the present color code, or shroud color may have faded; consequently, you may have to look inside the motor and identify it based on the type of position sensor used.



Alliance motors may be used with antenna/mast loads of up to 20 pounds. Between 20 and 300 pounds, or if antenna weight is distributed several feet above the motor, the thrust bearing bracket (Figure 5) is needed. This bracket, which mounts to the support mast about a foot below the motor, accepts most of the antenna/mast weight and transfers this weight to the mast. As the motor rotates, the antenna mast spins on a lubricated, pivoting bracket that connects via a U-bolt to the antenna mast. The motor, therefore, provides only the torque needed to turn the antenna; the thrust bearing and support mast carry the weight.

Where large wind catching antennas such as 6 and 7 foot UHF parabolics are used, some DXers have mounted the thrust bearing several feet below the rotor to distribute the bending moment of the antenna mast (and, therefore, reduce motor side thrust) over a wider area. As Alliance points out in their literature, the forces exerted on a given antenna mounted five feet above the motor are five times the force exerted on the same antenna mounted one foot above the rotator.

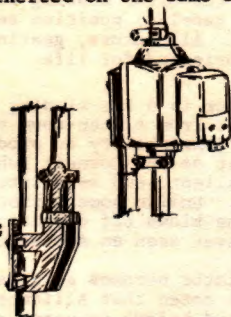


FIGURE 5. THRUST BEARING

Properly installed, Alliance motors will withstand winds of up to 100 miles per hour. For any larger fringe antenna, whatever the weight, I'd strongly recommend the thrust bearing (about \$3 wholesale). It's darn cheap insurance.

Through the years, several "minor" changes in Alliance motor hardware have occurred. Most of these changes are improvements. For example, U-bolts used to clamp the antenna mast to the cylinder flange had very fine threads. Often, these threads would strip if removed often. Now, these U-bolts are more rugged and use thicker threads. Also, the mating collar of these U-bolts is much thicker and stronger now.

Older Alliance motors used the metal cable crimp for tension relief as mentioned in the note. Overtightening could crimp the cable. The plastic cover with two slotted holes holds the cable adequately now without danger of overcrimping.

#### CONTROL BOXES

So let's look at complete Alliance models.

**K-22:**

This is the "bottom-of-the-line" Alliance rotator. It sells for about \$20 wholesale, but isn't often advertised or stocked in some stores. However, several stores use the K-22 for (1) demonstration or sales promotion and (2) as a part of a complete package of antenna, cable, hardware, etc. Four-wire cable is required.

A rather simple control bix (Figure 6) mounts a control bar and round lens. Depress one end of the bar and the motor operates in one direction. Depress the other end of the bar and motor rotation reverses. Since this is a manual type, motor rotation ceases when the bar is released. Operation is silent.



FIGURE 6. K-22 CONTROL BOX

No position indication is given except at the "end of travel" (north direction) when a light beneath the control box lens lights. Obviously, this is not the rotator for a DXer for, unless you time the rotation from a full north position, you never know where the antenna is aimed!

Electrical control is rather simple. Depression of one end of the bar connects low voltage ac from the control box via the cable to one motor winding, causing rotation. Rotation ceases when the bar is released because ac voltage is disconnected. Depression of the other end of the bar connects ac voltage to the reverse motor winding for reverse rotation. At the extreme end of travel in either direction, a cam-operated switch closes to complete an ac voltage path back to the light in the control box.

Although I've never installed or used a K-22, I doubt if a motor overcurrent device is used. Consequently, the lit light also warns that motor rotation has ceased and the bar should be released. If the bar is not released, motor torque and current would be very high (the motor is trying to turn, but can't), and motor winding burnout could eventually occur.

While the K-22 is a decent rotator, you really cannot evaluate its accuracy or repeatability. How can you when you have no position indication? Again, the K-22 is not for DXers.

Next, we'll look at the popular Alliance manual T-45 and automatic U-100 and C-225 versions.

73, Dave



# Bob's Tek-Notes

by Robert B. Cooper, Jr.

## EMPHASIZING THE SCATTER IN METEOR SCATTER

Since the dawn of long haul television reception and DXing one form of reception has proven to be the one and only reliable DX mode; and that is MS or meteor scatter.

Meteor scatter is always with us; day in and day out, meteorite particles bombard the earth's gravitational fields and trail into the ionosphere at sometimes awesome speeds where friction causes the particles to heat up and burn. The burning trajectory of the ignited particles leaves behind the particle entry path an ionized trail of gases in the E layer of the ionosphere. And this trail, or column as some call it, has momentary ability to reflect VHF signals back to earth at some distant point; typically hundreds of miles distant, and perhaps as far as 1,500 miles distant.

The subject of meteor DXing has been covered here previously. The basics of how the system functions will not be repeated at this time.

In the summer and fall of 1970, this enthusiast set out to explore the possibilities of meteor reception on high band VHF TV. This study was designed to develop a data base for possible future use in designing a serious high band meteor-chase program. For this particular DXer, stuck out in the boondocks of Oklahoma where station concentrations are low and the populous areas of the eastern seaboard (with all of its TV stations) are from 900 to 1,500 miles away ... high band MS seems to be the one method whereby approximately 140 high band stations operating in the 900 to 1,500 mile circle might be logged.

The 1970 project was concentrated on channel 7; with four home brewed long yagis peaked on channel 7, and a total of 50 db of pre-amplifier gain. The 1970 program began during the annual August Perseids Shower and ran through the end of the year. Results were such (six channel 7 MS stations positively identified) that were encouraged to do it again, better, at the earliest convenience.

Nearly 2-1/2 years passed before the next opportunity arose to try again. In "Phase 2" we set out to study high band MS up through channel 13 with particular emphasis on channels 8 and 11.

Once again the program was kicked off in mid summer, just ahead of the annual August

Perseids shower (what better way to break in a new meteor set up?).

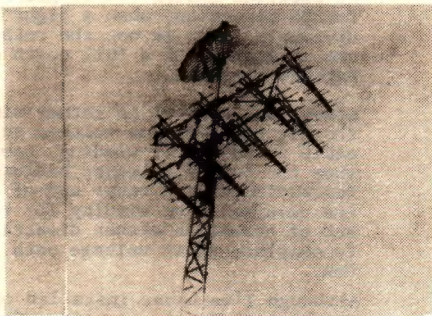
The antenna system designed for this year's project was something new for long haul work; but it satisfied an objective.

(1) The array had to have excellent directivity because it would be well above ground and 300-400 mile typical morning tropo must not interfere with the weak MS reception mode.

(2) The array had to have moderately good gain because in high band MS, that is the one key ingredient that you cannot replace in other ways.

(3) The array had to work over all of the high band channels (7-13), and well over the entire range, because all 7 channels were prime targets for MS.

The "Phase 2" array is shown below.



This array consists of 8 Channel Master model 1273 high band log antennas, considerably modified structurally, and arranged in a four-wide by two-high pattern. The array is 180 feet above ground to the center.

One other consideration was expandability. If the 8 bay array showed promise, the array would be expanded by 6 or 9 db in size to either 32 antennas or 64 antennas in "Phase 3".

The main long term objective is very simple ... I want a high band antenna array and system which I can point at virtually any high band station within 900-1,500 miles, and when they are trans-



mitting (and the channel is clear) ... and I will be able to see residual scatter level signals from them.

This is not as far fetched as it sounds. And it has almost no practical value as far as "watching television" over such distances is involved ... except in very isolated situations.

In the early-AM period, from approximately 5 to 7 local time, random meteorites are in some abundance virtually every day of the year. And these random meteorite (particles) cause almost constant bursts and over-lapping bursts of a very weak level. You can determine this for yourself by connecting a VHF to HF converter to a communications receiver, switching on the BFO and listening on the proper HF-i.f. for carriers on the TV video carrier frequency. The +, 0, and - offset frequencies are "busy" more often than not on virtually all high band channels.

To take these exceedingly weak signal levels (down around .01 to .1 uV) and make something useful out of them so that a standard (or modified) TV receiver will "build a picture" out of these weak levels is simply a matter of adequate receiving system gain.

The 8 bay log array has a measured gain of approximately 16.5 db over a reference dipole on channel 13; 16.00 db on channel 7.

And this is adequate, even with this relatively speaking small antenna array, to bring results on a non-shower morning.

In fact, it is important to understand that a shower is predominantly an increase in larger-size meteorites; and that larger meteorites tend to produce better (stronger and longer lasting) bursts. But ... that on most non-shower (so-called random) mornings that the level is also quite acceptable. Only the strength and duration of the random bursts is less appealing than during a shower morning.

In my own situation there are nearly 150 high band stations in the magic 900-1,500 mile circle; which have not been logged yet. Some will never be logged simply because the channel is not going to be "clear" in their direction when they are on the air. But approximately 100 of these can be logged ... and hopefully will be with phases "3" and "4" of this project.

During "Phase 1" six channel 7 MS stations were logged and identified; WMAL at 1148 mi-

les, KTVB at 1137 miles, WPBN at 895 miles, WITN at 1150 miles, WDBJ at 982 miles and WTRF at 965 miles.

During Phase "2", to date, these additional new stations have been logged: WGHP-8 at 1030 miles, WXEX-8 at 985 miles, WROC-8 at 1245 miles, WBAL-11 at 1165 miles, WTOC-11 at 995 miles, WIIC-11 at 1020 miles, WKCT-7 at 1240 miles and WJCT-7 at 995 miles.

All of these stations have been logged in the 5-6:30 AM period with the exception of WIIC and WBAL; both were added during the peak hours of the Perseids August 12th in the afternoon period (and during regular programming!).

Additionally, on August 12th, tests were run on KTTV-11 Los Angeles (1127 miles) with numerous programming bursts noted in the 11:30-12:30 (noon) period.

(Logging both coasts on channel 11 in one day has to have some class!)

OK ... so the existing array of 8 Channel Master 1273 logs could be duplicated and the results would be worthwhile. But is this array large enough?

NO ... it is not. But it is getting close. WKCT-7, for example, was logged positively within 30 minutes of our first try on a non-shower morning. WJCT-7 was logged within 10 minutes of our first try ... on a morning with a burst count of only 11! This is an array that you can point at a station .. and log that station.

But it is not good enough.

The antenna gain for consistent results on non-shower morning requires something like 27 db (of antenna). That (with 1273 logs) is equal to 128 antennas. Even for me, that is ambitious... if it has to be rotated.

OK ... so I am not going to rotate 27 db of antenna ... but 21 db of antenna could be rotated. And 27 db of antenna could be fixed in a couple of desirable directions.

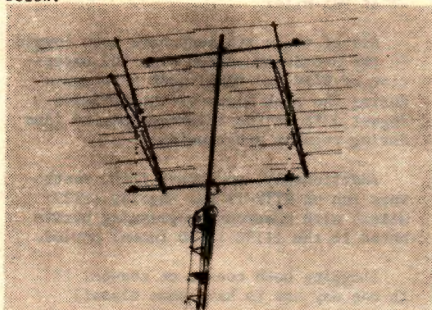
So begins "Phases 3 and 4".

At the same time the low band antenna system is being up-graded. Some concentration on (locally occupied) channels 4 and 5 recently has produced



a number of new loggings. But one of the problems associated with meteor scatter propagation (and DXing) is that it robs one of a bunch of sleep on a regular basis. I can't see any good reason to spend several mornings trying to nab the NOAY-4 test pattern waiting for the right kind of burst, if a bigger antenna would produce the right kind of burst the first five minutes or so after I wanted that station.

The present modest low band array is shown below.



pening up low band log antenna patterns. By stacking two Channel Master 1226 low band logs side by side (10 foot horizontal spacing/adjustable to 12 feet), the pattern of the array became very similar to the front pattern on a good quality ten element wide spaced yagi (ie. 22.5 degree front lobe) ... a considerable improvement over a single 1226 log.

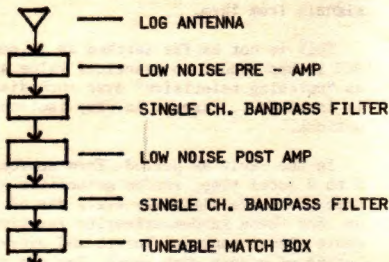
But the array is very small, and has low gain (on the order of 9.5 db on the best channel).

So the "Phase 3" antenna for low band will increase the array size from 2 antennas to 16 antennas, stacked four antennas wide by four antennas high. The gain will still not be very good (17 db) but it is about as big as can be rotated comfortably. And the extra 7 db of antenna gain will certainly improve things in the scatter-level department.

So far the discussion has been on the subject of antennas. There is more to MS DXing than simply big antennas. System gain is equally important, and system signal plus noise to noise ratio is even more important.

Gain is easy to get ... and easy to mis-use. The typical single channel lash up we use is shown in diagram one; and it consists of a very low noise high gain single channel pre-amplifier followed by a single channel bandpass filter with steep adjacent channel skirts, followed by a

second low noise high gain pre-amplifier, followed by yet another single channel steep skirted bandpass filter.



The output of this pre-system package drives a tuneable "match box" that matches the unpredictable input impedance of a television tuner to the 75 ohm system, on a single channel basis, and then into one of several different demodulator (receiver) units.

The total gain of the pre-system package is typically between 55 and 60 db. No ... there is not too much noise build up because the first pre-amplifier has a noise figure of not over 1.5 db and heavy bandpass filtering of the actual active pre-amplifiers and the passive filters ahead of the demodulator keep out of passband video products (ie. noise) down 50-60 db on a typical high band channel.

Problems? Yes, there are a few. For one thing, even the two stack low band log and the slightly larger 8 stack high band log are ripe candidates for tropo. Kansas City, Dallas and Memphis are constant problems on channel 5 early in the morning. Alexandria (Louisiana) and St. Louis are in there tearing up the channel more often than not ... and that is with a small two stack array. 16 antennas on low band will be positively wicked for tropo unless great care is exercised in horizontal spacing of the antennas, and, non antenna tower passives such as guy lines and antenna support members are kept out of the way (they tend to distort the log antenna patterns).

The large high band array to be built will be even worse.

Can you do it with fewer antennas? Only if you resign yourself to MS DXing during the showers. And you have plenty of good low noise gain. -30-



# The Wrong Move

by Willitt Fadeout, Jr.

It was April when I finally got moved into the new house. I was never particularly fond of this part of the country, but it was either that or pass up my first big company promotion. So, with wife, kids and DXing gear, our house was soon becoming a home.

Two days after the movers left, half of everything was still packed and the kids were still devouring our diet of drive-in hamburgers and chop suey to go. Everyone who's made a move has gone through the same thing. The pots and pans seem to have vanished and all the furniture just doesn't quite fit. But it was easy to spot the DXing antennas and other gear, so I was determined to drop everything and get the sky-hook up.

With the help of a local antenna service, the array went up smoothly. In between bites of the leftover Wing Aling chop suey, the technician and I complimented each other on how good my green metalized "Video Vacuum" antenna looked. I couldn't get over how impressive it looked atop the 50' yellow tower. It's too bad that the electrical results weren't as impressive though. Reception was down right crummy. My local stations 22 miles away came through well enough, but other stations 50 - 70 miles away were always weak, unstable and noisy. As if that wasn't bad enough, my new next door neighbor stopped talking to me. He was as positive as he needed to be that it was my "green monster" that was ruining his TV picture. "I haven't had a decent TV picture since that thing went up", he screamed. I suggested that perhaps his set needed a new tube or an antenna that wasn't so bent up. He was outraged, "That set and antenna has done fine for me for a dozen years or so, and it woulda kept goin for anotha dozen if you hadn't put that ----- thing up!"

Well a month went by, my reception had still not included any DX and my neighbor still wasn't talking. In fact, he was building a new fence. During that same month, three building inspectors came by (they had a report that my tower was a hazard), and no less than 28 "wrong number" phone calls at odd hours. Another week went by without DX and without much sleep, due to my neighbor's new pet coyote.

Bad results or not, I was determined to leave my "green monster" flying, making it a sort of stand-off with neighbor Jones. But then a miracle happened. My neighbor gave up and asked if I wouldn't take a look at his set (I later found out that his wife convinced him that he had a lousey excuse for watching TV in the bar). I agreed, and said that I'd be over after dinner-- as long as the coyote was tied up.

About seven I went next door and knocked at the back entrance. In the background I could hear what sounded like Mickey Mouse in Spanish. Bill Jones came to the door with a grin and said, "Come on in, you're just in time to see this darn interference at its worst." I followed Bill into the den, turned to the TV set and just about fell over. The channel selector was set on channel 3 and two strong Spanish stations were alternating back and forth. I glanced at my watch, it was three minutes to seven. Still time to run home and photograph two double hop ID's-- or maybe even triple hop! Bill muttered something about his set acting this way every night, but I was already half-way out the door. I shouted that I had to check something and I'd be right back. When I dashed into the house, the set was already on. The kids were watching the "Water Company" on educational TV (formerly the "Electric Company", but it was pre-empted once too often), so I gave them a buck to buy ice cream and flipped to channel 3-- nothing. Oh, oh! Maybe the rotor's pointed the wrong way? I spun it back and forth, checking ALL the channels and STILL nothing!! I was about to tear my hair out! Forty-five seconds before seven-- There's still time, I'll go back next door! Without bothering to knock, I ran into Bill's house and into the den. There, on the screen, NO, NO, it can't be! The call letters were too clear to be true! Two unbelievable catches like that, both clear! YVVK-TV 3, Barcelona, Venezuela and HJRN-TV "en Medellin" Colombia. In my excitement and haste, I hadn't even stopped to think of why Bill's "junk" was picking up double-hop, while my late model color set and "Video Vacuum" wasn't picking up a trace. I was still puffing and staring at a now blank screen.

It was at least five minutes past seven before I started to regain my senses. The skip was gone. I flipped the channel selector back and forth to no avail. All the channels were dead. Even the locals were buried under some mysterious hash. "Now do you believe me", Bill blurted. "It's that big green antenna of yours that's causing all the trouble!" I was still puzzled by all that had happened. Why should that old TV and bent up antenna pick up double hop skip so well, when I couldn't get anything with my expensive DX gear. Maybe that old antenna was bent into some never discovered sky wave shape. Only picking up skip and no ground wave. Hmm... The guy who discovered that could become king of the DXers and get rich to boot! Bill again interrupted my concentration, "Are you going to do somethin or not? I could sue ya know!" It does this every night? I queried. Hmm... But what if it isn't the antenna... What if that old TV of his has developed a phase canceling, re-shaping character that's bringing through those signals. If I discovered that, even the Japanese would want to use it. The royalties would be huge.. I could retire and move to.. "If you're not going to do nothin, leave now!" I had to think fast.

Just a minute Bill, I've got an idea that will solve your problem completely. "Oh yea, what's that?"

How about if I give you my new antenna and my color TV set for your old set and antenna. You know I feel kind of bad about this thing and I'd like to set things straight.

"Well.."

I'll even put up the antenna for you!

"OK, it's a deal, but I hope it clears up that noise. Hey, you're not such a bad guy after all."

I thanked Bill and we made the exchange the next day. Despite my wife thinking that I was crazy, I was still convinced that I made a fantastic deal. But the family still wasn't so easy to convince, so part of my new raise was spent on a new color set.

That evening, the family relaxed in front of the new color TV, rabbit ears and all, while I carefully tuned the 1959 wonder. Not taking any chances I even traded Bill's old ribbon line for my new coax. 6:30, 6:45, 7:00, 7:30.. Nothing. No YVK or HJRH, or even my local. Just snow, and weak snow at that.

After a week I was beginning to get discouraged. Could I have done something wrong? Maybe I shook the set too much when I moved it, or maybe I accidentally leaned on one of the accurately bent elements. There must be an answer.

A month later I was still pondering where I went wrong. It couldn't have been a dream, because I did trade sets. The silence and my concentration was again broken by the sound of a voice-- my wife talking on the phone. I don't normally ease drop, but something caught my attention. Right when she said something about about a new gadget the Jones's got.. "yes Martha, it's the greatest thing. It must be nice to be able to record your favorite programs.. I think they call it a video recorder.. It plays in color too!" . . . I think I'll take up tennis.

MORE NEWSCAST NOMENCLATURE (cf August VUD, page 34), contributed by Clark Golubic (G), Ken Simon (S), and compiler Glenn Hauser (H):

2 KWGN Big News	G	6 WPVI Action News	G	10 WALA Newsbeat	G
KQTV Newswatch	H	WJAC News Today (1 pm)	G	WTAJ TV 10 Action News	G
3 KTVS 10th Hour Report	H	News Tonight (6 pm)	G	WHRH Action Ten	H
KYW Eyewitness News	G	11th Hour News	G	WBNS Eyewitness News (12n)	G
KARD Sixty (12 noon)	G	Weekend Report	G	Eyewitness 90 (6pm)	G
4 WTAE Channel 4 News	G	(11 pm Sat, Sun)		11 WICG News/Watch	G
KGST Six O'Clock News	G	7 WCKT The Big News	S	WPIX Harper News (10pm)	G
WFBC The Scene	H	WABC Eyewitness News	G	WTOG Evening News (6pm)	G
WSM The Scene	H	WDM Night Report (10 pm)	G	KCTV TV eleven News	H
KDFW Eyewitness News	H	WTRF Noon Hour Report	G	12 WBOY Newsbeat	G
WTVJ The World Tonight	S	Evening Report (7 pm)	G	13 KRDO Perspective News	H
(11 pm)		11 O'Clock Report	G	WQED Newsroom	G
5 WBNS Eyewitness News	G	8 WGLA 6 O'Clock Report	G	KERA Newsroom	H
KPLX Eyewitness News	G	11th Hour Report	G	23 WLTV Reporter 23	S
WPTV Dateline (90)	S	KTUL Move Closer to	H	29 WTAF News Now	G
WDTV Channel 5 News	G	Your World		36 KTVV Eyewitness News	H
KRGV Big 5 News	G	9 WSOC Eyewitness News	H	40 WCMC Garden State Report	G
WKRC Total News Hour	G	WSTV News Hour	G	WICZ News at 6	G
WNEM 10:00 Report	G	KWTV Newsroom 9	H	News at 11	G
12 WDSU Newswatch	G	10 WCAU Newsroom	G	41 KWEX Reporter 41	H



# FCC FM NEWS

Bruce F. Elving, Editor  
P. O. Box 24  
Adolph MN 55701

## New Construction Permits

AL Selma 100.9 3000 h,v; 300' Replaces WTQX-FM, which apparently deleted [see Aug., 1973 VUD, p. 9].  
AR Searcy 99.3 3000; 153' Final decision.  
CO Fort Collins 107.9 100000 h,v; 198'  
MS Mississippi State "89.1 10  
MO Chillicothe 103.9 1850 h,v; 160'  
NY Rochester 103.9 3000 h,v; 300' Final decision.  
NC Boiling Springs "88.3 4700 h,v; 225'  
OH Dayton "88.1 1250  
TX Dallas "90.9 100000; 1260'  
TX Harlingen 96.1 100000 h,v; 460'  
UT Logan K288AK 105.5 10 [Translator of KSL-FM 100.3 Salt Lake City UT]  
WA Oak K296AE 107.1 10 [KHO-FM 98.1 Spokane WA translator]  
WA Sunnyside 96.7 3000; 28' Charleston  
WV Charleston W224AA 92.7 1 [WBS 96.1/

## Deletions (Construction permits "forfeited")

CA Mariposa K221AB 92.1  
K228AA 93.5

## On the Air and DX Ready

AZ Sierra Vista KTAN-FM 100.9 3000 h, 2650v; -46' [Calls changed from KSAV]  
CA Jackson KNGT 94.3 165 h,v; 1090'  
CT Westport WWPJ "90.3 300 h,v; 110'  
ME Farmington WKTJ-FM 99.3 1500 h,v; 402'  
MO Jefferson City KLMN-FM "88.9 41000 h,v; 255', mono, owl; heard in Duluth first night on the air: Aug. 21, 1973.  
NY Greece WGMG-FM "90.1 10  
NY Mount Kisco WARY "88.3 10  
NC Southern Pines WIOZ 107.1 3000 h,v; 300'  
OH Middletown WMPD-FM 92.1 1900 h,v; 370'  
OR Bend KICE 100.7 50000 h, 20000v; 520' [See Aden, Sept. VUD, p. 15]

OR La Grande KEOL "91.9 10  
PA Johnstown WJNL-FM 96.5 50000 h,v; 490' [Calls, too]  
SD Yankton KQHU 104.1 100000; 430' [See my report, Sept. VUD, p. 32]  
TX Columbus KULM 98.3 3000 h,v; 195'  
VT Colchester WVPV "88.7 10  
WA Newport KUBS "91.5 10  
Guam, Agaña KSTO 95.5 2600 h,v; 47' [Calls, too; power changed - F2 skip anyone?]

## Changes in Facilities

CT West Hartford WUHH "91.3 1000 h,v; /  
IA Cedar Falls KUNI [still operating on "88.1 as KHKE] "90.9 94000 h,v; 1780'  
IN Auburn WIFF-FM 105.5 3000 h,v; 300'  
IN Portland WPGN-FM 100.9 180' 3000 h,v  
LA New Orleans WQUE 93.3 460' (93000h,v)  
ME Presque Isle-Caribou WDPH 96.9 to 440' (100000 h,v)  
MD Bethesda WJMD 94.7 24000 h,v; 670'  
MD Havre de Grace WHDG 103.7 17500 (340')  
MI Ishpeming WUPD-FM 92.3 470' (100000h,v)  
MI Bay City-Saginaw WHNN 96.1 [Calls changed from WBCN-FM; dual-city ID granted.] Rock format.  
MI Saginaw WKQC 98.1 50000 h,v; 340'  
Still heard in mono in August; rumor had it that WKQC would go stereo.  
NY Buffalo WBNY 96.1 480' (50000 h,v)  
NY Fulton WQSC-FM 104.7 15000 h,v; 310'  
NY Hempstead WVMC "88.7 470 h, 110 v; 180' (reduces coverage)  
NC High Point WHPE-FM 95.5 100000; 470'  
PA Lancaster WGLA-FM 101.3 4600 h,v; 1290' (coverage unchanged)  
PA Pittsburgh WTAE-FM 96.1 50000 h,v; 500'  
TN Nashville WAMB-FM 92.9 510' (100000)  
TX El Paso KTSN-FM 99.9 87000 h,v; 1820'

## Call Letters Assigned

AK Juneau "104.3 KTOD  
AZ Globe 100.3 KIKO-FM  
CA San Francisco San Francisco.  
"90.3 KUSF [from KQMA] U. of /  
106.1 KFRC-FM [KKEE]  
CA Santa Barbara 99.9 KTYD-FM [KTYD]  
CA Sonora 92.7 KRQG [KVMH-FM]  
CO Sterling 96.7 KIAG  
CT Waterbury 92.5 WNYZ [WENU]  
FL Key West 95.5 WYAB  
FL Sebring 105.5 WSKP-FM  
HI Honolulu 93.1 KGMQ [KGMH-FM]  
IL Paris 98.5 WACF [WPRS-FM]  
IN Richmond 96.1 WQLK [WGLM]  
MI Tawas City 101.7 WDBI-FM  
MS Ellisville 102.3 WBSJ  
MS Jackson 95.5 WJLN [WFXM]  
MO Kansas City 104.3 KREQ [KBEY; see Brown, VUD, Sept., p. 15.]  
MO St. Louis 102.5 KEZK [KQMA; goes com-OH Tiffin "88.9 WHEI [Replacing extra-legal "WHCR; see VUD, July, p. 7]  
NY Farmington 92.9 KRWV  
NY Binghamton 99.1 WAAL [WKOP-FM. Hank Holbrook in MO heard only the calls on this one, and wrote wondering where WAAL is.]  
PA Sharon 102.9 WYFM [WPIC-FM]  
TN Hendersonville 92.1 WBYQ [WHTY]  
TX Beaumont "91.3 KVLJL: Lamar University  
TX Brownwood 99.3 KLSM [KFRN-FM]  
UT Ogden 101.9 KQPD [KBQC]  
VT Burlington 92.9 WZFF [WVWY]  
WA Spokane "89.7 KMSI-FM  
WV Keyser 94.1 WKLP-FM  
WI Shell Lake 95.3 WKCF

Variety reports that WYSP 94.1 Philadelphia has switched from MOR to rock, and KFMU 94.9 Kansas City MO is adding v.

## FM INDUSTRY NOTES AND READERS' REPORTS AND COMMENTS - Contributions Welcome

This month we'll begin with the oldest and progress to the most recently-received. They begin with:

Hank Holbrook, Chevy Chase MD, who likes to verify stations that change call letters, notes the following new call letter stations in operation: Chattanooga TN "88.9 WKES [was WUGW]; Bridgeport CT 99.9 WEZN [WPBS; now "easy-listening"/MOR]; Petersburg VA 99.3 WPLZ [WSSV-FM], and "WESN 92.7 Prince Frederick MD now with mood music and call changed to WJUS."

Dave Pomeroy, Topeka KS, sends a clipping pertaining to the application for a new FM station in Topeka [106.9 mhz?] filed by the Shawnee Broadcasting Co. The station will carry "general contemporary pop music with jazz and rhythm and blues. . . the station would cover an estimated audience of 225,000 and would reach to Lawrence." [Very conservative coverage estimate, indeed, for a 100-kw station.]

Bill Grant, Worcester MA, sent an ad put in the local paper by WGLN "91.3 (80 m, -37v): "WGLN is beginning a period of equipment taste. If you should notice any television interference on especially Channel 6, please note the time and the nature of the interference and call us at 793-7585." Bill has not heard any testing, as he's offed under WICN "90.5, "which stops all over

the low end of the band." He regrets that he did not get to the WTFDA convention, noting that he has moved into a new house just before the convention. "The location is 750' ASL (250' higher than previous location) and open to the east and southwest for tropes. . . Also 3 miles from the nearest FM station. Antenna system has yet to be installed."

Dave Walcutt, Carbondale IL, writes to say that the Holiday Inn shows have been cancelled, with the last two stations to carry the program located in Jefferson City and Memphis. This was told to Dave by "Kathy Finley, 'secretary to Donna Holiday' in Memphis TN. [I thought it was Dolly H.]

W. Bruce Dean, Seekonk MA, sent an extremely interesting article about WBRU 95.5 Providence RI: "FM Transmitter at Brown Cause of Interference" to physics and biology experiments on the campus. The trouble developed when WBRU became 50000 h,v; 220' last December, and the station offered to reduce power certain times of the day, but this was not satisfactory to the researchers. The professors were accused of opposing WBRU because they didn't like its progressive rock format, but this charge was denied. WBRU is now looking for a new transmitter site, but continues to operate legally on 95.5 with the above-listed facilities. Bruce adds: "WBRU is

directional with its new facilities, with a null limiting ERP to 20 kw to the north, towards WNRB 95.3 Cambridge MA. [I noted from its program guide of several years ago that CFRG-FM-AM Kingston, Ontario, severely limits its on-the-air operation to only a few hours a day, mainly on weekends, because of interference caused to campus experiments; strange that this long-established operation has not by now changed its transmitter sites.]

Marvin E. Robbins, Omaha, says that WCCO-FM 102.9 Minneapolis MN, now operating with 100000 h.v.; 1250' gets out nicely. WCCO-FM is still on limited hours of 10 a. m. to 10 p. m. Mon.-Sat. (silent Sundays), but this still gradually increase as the FM staff is increased, and 24-hours-per-day operation is realized. [WCCO-FM is comparatively weak in the Duluth area; John Ebeling also noticed this when vacationing in NE MN.; I suspect inadvertent directionality because WCCO-FM's antenna is mounted on the south side of the tower (supporting structure).] Marv, on a trip to the Chicago area, also noted that the new KXGI-FM 101.7 Fort Madison IA is \$, while the following, listed elsewhere as \$ are not: KXAK-FM 98.1 Cedar Rapids IA; WKEL-FM 92.1 Keosauke IL. On the trip the "worst signal was KENT-FM 106.5, which barely made it to the 80-M Interstate north of Davenport. KXAD-FM 95.3 Maquoketa only E IA FM not heard; KOUR-FM 95.3 seemed dominant for miles and miles [Independence IA]. Also, there is a KTAV 92.1 from "Pella-Knoxville" on with 100% religious programming — gets out nicely — not Stereo though!"

Russell F. Brown, St. Joseph MO, reports now that KSLQ 90.1 St. Louis 100000 h.v.; 578' went to that power "they now pour in seldom dropping out of stereo. I even heard them sampling poor little KQSE-FM about 10 miles from Osceola AR. I've received a report from someone hearing an ID from Helena AR on 107.5, but while down there I couldn't even find them on 103.1, let alone 107.5." [See VUD, May, 1973, p. 15 (Higgins).]

Nike Dornier, Home AK, reports that there is some interest locally in starting the area's first FM station, but economics still alliterate against this. Nike observes that in LA WWSL 105.3 (Slide) is being sold to the owners of WNRH (AM) New Orleans — the facility that once operated WRCH (now WEZB). WWSL will probably move to New Orleans. "I see that Riverton WY has a new 10-watter. That's the first FM grant [outside of translators] to that state since 1968 [NFGC-FM Cheyenne]. Wyoming is definitely the last of the fifty in FM progress. KNEZ-FM 96.7 McPherson KS is a new grant; this represents a revival of their FM station which goes back to the post-war era. KONG 102.7 Lincoln NE has been bought by KFDR (AM) there — another FM revival (KFDR-FM 102.9 was verified in Duluth prior to its deletion — 1952?). The owner of KGOO Benton AR has re-applied for 107.1 there; he had a permit with the call KOOB there in 1969-70 but let it lapse."

Al Ellis, Brantford, Ontario, sent copies of some recently acquired FM QSLs in which it is confirmed that the following have vertical polarizations: WLIF 101.9 Baltimore MD, WYFC-FM 104.9 Alma MI, and WVIA-FM 89.9 Scranton PA. WVIA-FM replaced WUSV Scranton, and during the transfer, January 1970 to April 23, 1973, the facility was silent.

Dennis Smith, Wasco CA, mentioned that long-silent KCBW 93.7 Chico CA is back on the air with automated easy listening music, and KDMO 98.5 Delano CA was off the air briefly but has returned.

Bill Dickerson, Williamsport PA, notes WVCB 97.9 Hazleton PA is now in 8, MOR (25000 h.v.; 660'), "the velvet sounds of 8-9-9, WVCB Hazleton, your beautiful island." Bill says HCJB-2 Guayaquil, the largest city in Ecuador, broadcasts noon to 10 p. m. on 102.5 in S. HCJB also plans to start an MOR formatted station with regular gospel messages in Quito beginning shortly. [A similar item I ran across concerned IGNA-FM 100.8 Guatemala, which expects soon to be in \$ 24 hours a day with good music and a gospel message.] Bill

quoted from a letter he'd received from WYZZ 92.9 Wilkes-Barre PA: "Oftentimes, some stations modulate so heavily (with resultant distortion) that the listener thinks a station has a stronger carrier when it doesn't. Since WYZZ modulates at a lower level than most, we have better fidelity and less distortion. Our field strength tests show that WYZZ is the strongest toward the west, and that we have a clear co-channel. For example, WREB-FM, WVCB and WQYT [WMBF-FM] chop each other up and cancel each other in Luzerne County and many areas of northeastern Pennsylvania. . . WYZZ is the only station in the area that meets the all-weather separation requirements from other co-channel stations." Finally, WVIA-FM plans to increase its tower height and go to a new antenna. Bill would like to know its deadline each month. It is generally the first Tuesday before the 20th of each month when the interval is four days or greater (plus or minus five days): simple enough? Pittsburgh's WPEZ 94.5 has shifted from MOR to hard rock [will the "EZ" call letters remain?]. Another correspondent says WFMV 106.3 Blairstown NJ is not yet on the air, while WNRH 107.1 is still identifying as Mount Kisco instead of Briarcliff Manor (NY).

Dr. Richard E. Wood, Baton Rouge LA, corrects the WQQQ listing at the bottom of my Sept. column (p. 14). WQQQ is in Easton, not Erie PA.

Paul E. Petosky, Muskegon MI, says WNNH 96.1 Bay City-Saginaw MI [former WBCN-FM] now calls itself the Coyote and "Super WNNH." WNNH "90.1 Marquette MI plans to apply for 100 kw (now they are 320, -37'), and maybe this is why WCMU went from 90.1 to 89.5 when WCMU increased power. In speaking MI 107.1 has applied for calls WQMT. And an application is being filed by local people for an FM stereo station on 100.1 in Marquette: "a 24-hour radio station which will serve Marquette and the surrounding area from studios in the Ramada Inn." Here's something from the WYVM 102.7 Suring MI program guide:

Baton Rouge, Louisiana

Dear Sir,  
I am delighted to report reception today of your FM station on its 102.7 MHz frequency, heard here in Louisiana's capitol, a distance of 1005 miles. Excellent, remarkable reception . . . you are the first station I have heard on 102.7 with my 100 kilowatt local, WJBI-FM, active on neighboring 102.5 KHz! This unprecedented reception witnesses to your positively overwhelming strength and clarity at the time.

A Distant Listener

(The above listener was using special, sophisticated equipment.)

from the FCC, Washington DC 20036. I have not studied my copy of the agreement yet, but Glenn makes these observations, which I am sure will be augmented by writings in his own columns.

"The document sets forth a number of technical parameters and, for the first time, establishes an allocation table for Mexican cities within 199 miles of the border [and, for the first time, educational FM stations within 88-108 mHz in the United States are allocated]. Of greatest interest to DXers is the large-scale reshuffling of frequencies and stations on the Mexican side—while only one U. S. station is being made to move (KTAL Kingsville TX, from 91.9 to 91.1), and from Class D to Class A). Specific Mexican assignments are made whereby "the Tijuana/San Diego and Juarez/El Paso conflicts are alleviated. . . . Also shown are class of station, power, and for the first time, antenna height above average terrain. However," Glenn editorializes, "these last two (and possibly some of the frequencies) appear subject to the usual variety of errors in data supplied by the Mexican government."

73 *Brown*





# FCC TV NEWS — DATA

Roger H. Brown  
1617 Linden St.  
E. Lansing, MI 48823  
October 1973

## NEW STATIONS ON THE AIR

Laredo, TX--(ch 13)--KVTV expected to begin programming on 9-1-73

## STATIONS LEAVING THE AIR

Santa Rosa, CA--(ch 50)--KFTY off on 8-8-73, vows to return on 11-16-73

## APPLICATIONS FOR NEW STATIONS

Sumter, SC--(ch 27 ETV)--New, 1015-kw max. vis., 200-kw max. aur., 1150 ft. AAT

## CONSTRUCTION PERMITS GRANTED

Booneville, MS--(ch 12 ETV)--New, 45 kw max. vis., 9 kw max. aur., 750 ft. AAT  
granted CP 8-27-73

## CHANGES GRANTED IN ACTIVE STATIONS

Cleveland, OH--(ch 25 ETV)--WVIZ-TV granted CP 8-9-73 for change to 650-kw vis.,  
130-kw aur.

Williston, ND--(ch 8)--KUMV-TV granted CP 8-16-73 for change to 170-kw vis., 30-kw  
aur.

Hagerstown, MD--(ch 25)--WHAG-TV granted special temporary authorization for change  
to 680-kw vis., 120-kw aur., 1230 ft. AAT

Midland, TX--(ch 18)--KDCC-TV granted STA 8-29-73 for change to 9-kw vis., 1-kw aur.,  
400 ft. AAT

Tallahassee, FL--(ch 11 ETV)--WFSU-TV granted program test auth. 9-12-73 for change to  
316-kw vis., 32-kw aur.

## NEW CALL LETTERS ASSIGNED, CALL LETTERS CHANGED

Milwaukee, WI--(ch 24)--granted WCGV Eagle Butte, SD--(ch 13 ETV)--granted KPSD-TV  
Naples, FL--(ch 26)--granted WEVU Nashville, TN--(ch 8)--granted WNGE (was WSIX-TV)

## MISCELLANEOUS

WNYS-TV Syracuse, NY denied request to add ch 52 to Corning, NY. Ch 52 remains assigned  
to Ithaca, NY.

Asheville, NC--CP granted there for translator W62AC, 1000-w, a good DX possibility.

Michigan allocations table has been changed: ch 31 to Ann Arbor, ch 22 to Mt. Clemens  
(which would conflict with Global ch 22 in Windsor), ch 44 to Port Huron and ch 42  
to Saginaw. Rumors here are of commercial ch 31 in Ann Arbor.

## TV STATE OF THE INDUSTRY as of mid-September 1973

931 stations on the air (603 VHF, 328 UHF); 695 commercial (511/184); 236 educ. (92/144)  
77 CPs not yet on (5 commercial Vs, 55 comm. Us; 4 educ. Vs, 13 educ. Us)  
70 applications pending for new stations (37 Vs, 33Us)

-----  
Please forward unusual information to me, if you have it. That's it for this time.

73, Rog



Canadian Radio-Television  
Commission

Conseil de la Radio-Télévision  
Canadienne

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NORTH OF THE BORDER:

FOR NEWS IN CANADIAN BROADCASTING

OCT. '73

#### TV APPROVALS

PORT-AU-PORT, NFED ch. 13  $\frac{13}{13}$  .504/.101 kw. dir Sat of RADIO-CANADA via ANIK satel.  
KEARNS (Kirkland L.), ONT CPOL-TV-2 ch. 2 Press: 14.6 kw EHAAT 722  
Preps: 38.5 kw EHAAT 733 (CBC)  
KEARNS, ONT CKSO-TV-3 ch. 11 Press: 65 kw Preps: 162 kw (OTV)

#### TV APPLICATIONS

BONNYVILLE, ALTA ch. 6 67 kw. dir Sat of CBKFT Edmonton (Radio-CANADA)  
LAG LA BICHE, ALTA OFRN-TV-5 Press: 49 w. EHAAT 1704 Preps: 1.225 kw. EHAAT 1264 (CTV)  
YORKTON, SASK ch. 10 39.24/5.35 kw. omni by CKOS-TV -for NEW CTV affil.  
WYNARD, SASK ch. 12  $\frac{12}{12}$  61/12.2 kw. by CKOS-TV NEW-- Sat of ch. 10 above (CTV)

#### FM APPLICATIONS

PEACE RIVER, ALTA 95.9 MHz 44 watts omni NEW (CBC)  
THOMPSON, MAN 99.9 MHz 86 watts omni NEW (CBC)

#### FEATURE of the MONTH

Your co-editor of this column, Mark Lewis, now resides in what might be termed "the co-channel capital of the world"...London, Ontario; a city of 220,000 located at the midpoint between the transmitter farms of Toronto and Detroit (each about 110 miles distant). London has but one local FM outlet: CPPL-FM 95.9 @ 179 kw. CKOT-FM 100.5 is the next distant station, but only radiates 1,135 watts. All other stations are 40 or more miles distant. Thus, the DXer with a reasonably selective RX and directional ant. finds himself without any images on the dial, and 2 or more stations per freq. It is certainly a novelty to suddenly be able to FM DX without dozens of high powered locals and man-made electrical noise.

CPPL-FM 95.9 changed format on Sept. 9. They are now broadcasting a mix of programming including MOR, OL, JZ, RK, FK, and Pubaffairs. Midnight-6 am. is originated remotely from "Radio Western" at the Univ. of Western Ont. in London with studios at the university. CPPL anticipates that their new programming will meet new CRTC FM policy to be debated in Ottawa on Oct 24. I predict that other CDN FM outlets will follow the CPPL-FM example and adopt similar prgm "mixes". They now ID as "Stereo 96..London, Canada" with plenty of jingles. They had requested the call OING, to accompany the format switch, but CRTC turned them down, claiming a "freeze" on FM calls until after the policy hearings; thus, the "Stereo 96" route. CKLW-FM 95.9 Windsor is also experimenting with format. Daytime monitoring reveals C&W in  $\phi$  with some evening JZ-MOR and overnight classics...more next month.

\*\*NOTE\*\*Send ideas &/or info for FEATURE to MARK at London address.

#### TIDBITS

###As mentioned above, FM POLICY hearing in Ottawa on Oct. 24.  
### CKAT-FM North Bay has been purchased by CPCH-AM. New owners have promised no FM simulcast of AM which should agree with new policies.  
### CKWL-FM Verdun PQ is the first french Solid Gold Rock ... (automated)  
### "The Flying Toilet" is the name given to ANIK I, the CDN domestic satellite. The residents of Ft. Simpson in our far north were promised ANIK translator service for Sept & many residents purchased colour sets in Aug in honour of the 1st TV broadcast. One problem: the ANIK ground stations, fully installed are without elect. power. It seems mtrs were installed, but the local hydro-elec. commission did not live up to their part of the bargain: so no TV till Apr. '74. Ground stations at Rankin Inlet & Norman Wells are also without power, so delayed starts there too. The slogan above is also indicative of the prgm of CBC-TV relayed by ANIK: Northern residents complain of lack of "local" programming with relevance for the North.  
### Call letters for ANIK stns have changed from CBT\*-TV-\* to CND\*-I; for example- ch. 8 Watson L., YT CBT\*-TV-1 now CNDAT. \*\*\*For Sept UPDATE to CDN GUIDE ...send SASE (CDN stamp) or addressed envelope & 10¢ coin to DOWNSVIEW address above. 73's..



OCTOBER 1973

Deadlines:

11 October (7T FMSB)

12 November (8T TVSB)

10 December (9T 90)



Editor:

Glenn Hauser

K O S U - F M

Okl. State Univ.

Stillwater OK 74074

### 89 MHZ FMDX RECORDS

MHz	PROP	Call	Location	Miles	DXer, Location
89.0	Es	YSRI-	San Salvador E S	1215	Pat Dyer, San Antonio TX
89.1	Es	ZBM-	Hamilton Bermuda	1385	Andy Bolin, Charleston IL
	Tr	KMUW	Wichita KS	640	Russ Brown, Saint Joseph MI
	Au	KMUW	Wichita KS	640	Russ Brown, Saint Joseph MI
89.2	Es	XEJT-	Tampico Tams	990	Glenn Hauser, Enid OK
89.3	Es	WPCS	Pensacola FL (AL)	1420	Fred McCormack, Des Lacs ND
	Tr	WPCS	Pensacola FL (AL)	800	Carlton Howington, Uniontown OH
				tile	Russ Brown, Saint Joseph MI
	MS	WHKW	Chilton WI	1165	Glenn Hauser, Von Ormy TX
	Au	WCAL-	Northfield MN	500	Frank Merrill, Milan MI
89.4	Es	TGD-	Quetzaltenango Guat	1095	Glenn Hauser, Von Ormy TX
89.5	Es	WPKN	Bridgeport CT	1365	Robert Cooper, Oklahoma City OK
	Tr	WMOT	Murfreesboro TN	840	Glenn Hauser, Von Ormy TX
	MS	WNIU	Dekalb IL	1035	Glenn Hauser, Von Ormy TX
	Au	WPKN	Bridgeport CT	790	Andy Bolin, Charleston IL
89.6	Es	TGDY-	Guatemala Guat	1130	Glenn Hauser, Von Ormy TX
89.7	Es	WGBH-	Boston MA	1475	Robert Cooper, Oklahoma City OK
	Tr	WMCU	Miami FL	1155	Glenn Hauser, Von Ormy TX
	MS	KGCC	Denison TX	1120	Larry Vogt, Springfield VA
	Au	WCUS-	Columbus OH	620	John Ebeling, Bloomington MN
89.9	Es	WJCT-	Jacksonville FL	1625	Fred McCormack, Des Lacs ND
	Tr	WJCT-	Jacksonville FL	1020	Glenn Hauser, Von Ormy TX
	MS	WWSA	Brule WI	905	Larry Vogt, Springfield VA
	Au	WWSA	Brule WI	505	Frank Merrill, Milan MI

### CHANNEL 6 SKIP TVDX RECORDS

Call	Location	Miles	DXer, Location	Logos
WBRC-	Birmingham AL	1275	Fred McCormack, Des Lacs ND	WBRC-TV Channel 6
KUAT-	Tucson AZ	1970	Bob Berg, Norfolk VA	
KVIQ-	Eureka CA	1220	Fred McCormack, Des Lacs ND	WCIX-TV 6
KVIE	Sacramento CA	1290	Robert Cooper, Oklahoma City OK	
KSBY-	San Luis Obispo CA	1415	Robert Grace, Franklin TX 77856	Ktal 6 tv
KRMA-	Denver CO	1485	Larry Vogt, Springfield VA	
WNHC-	New Haven CT	1180	Bedford Brown, Hot Springs AR	KBS 12 7 6
WDBO-	Orlando FL	1530	Ron Boyd, Truro NS	
WCIX-	South Miami FL	1410	Dave Egan, Valleyfield PQ	WLUE-TV 6 WRGB
WCTV	Tallahassee FL	1520	Fred McCormack, Des Lacs ND	
KCIX	Nampa ID	1405	Ferdinand Dombrowski, Okauchee WI	KAUS austin-albert lea 6
KTLE	Pocatello ID	1185	B. J. Bingham, Festus MO	
WFEM-	Indianapolis IN	1235	Fred Nordquist, W.S.M.R. NM	wdsn-tv 6
WOC-	Davenport IA	1325	Morris Foote, Middleton ID	
KTVG	Ensign KS	1630	Chislain Girard, Arvida PQ	17
WPSD-	Paducah KY	975	Bill Grant, Worcester MA	
WDSU-	New Orleans LA	1760	Robert Cooper, Fresno CA	
KTAL-	Shreveport LA	1035	Peter Sawatzky, Waterloo Ont	
WCSH-	Portland ME	1095	B. J. Bingham, Festus MO	
WJIM-	Lansing MI	1875	Robert Cooper, Fresno CA	
WLUC-	Marquette MI	1240	Don Ruland, Holly Hill FL	
KMMT	Austin MN	1455	Ron Boyd, Truro NS	
WDSM-	Duluth MN	1250	Fred Nordquist, W.S.M.R. NM	
WABG-	Greenwood MS	1170	Fred McCormack, Des Lacs ND	
KMOS-	Sedalia MO	1165	Jeff Kadet, Needham MA	
KTVM	Butte MT	1260	David Rosenstock, Chicago IL	
KHFL-	Hayes Center NE	1290	William Hider, Binghamton NY	
WOW-	Omaha NE	2120	Raul Medina, Managua Nicaragua	
KAVE-	Kayabe ND	1405	John Parillo, Girard OH	
WHAM-	Rochester NY	1130	R. Sanders, Stillwater OK	
WRGB	Schenectady NY	2380	Robert Cooper, Fresno CA	
WECT	Wilmington NC	1540	Fred McCormack, Des Lacs ND	

# STATISTICS

WDAY- Fargo ND  
WTVN- Columbus OH  
KOTV- Tulsa OK  
KOIN- Portland OR  
WJAC- Johnstown PA  
WPVI- Philadelphia PA  
WTEV- Providence RI  
WJBF- Augusta GA (SC)  
KPLO- Reliance SD  
WATE- Knoxville TN  
KFDM- Beaumont TX  
KRIS- Corpus Christi TX  
KCHN- Temple TX  
KCMC- Texarkana TX  
KSYD- Wichita Falls TX  
WTVR- Richmond VA  
WHIS- Bluefield WV (VA)  
KHQ- Spokane WA  
WITI- Milwaukee WI  
KSPR- Casper WY  
CHAT- Medicine Hat Alta  
CHCA- Red Deer Alta  
CHNK- Victoria BC  
"CBMT" Winnipeg Man  
CHSJ-1 Bon Accord NB  
CJON- St. John's Nfld  
CJCB-1 Inverness NS  
CFOL- Timmins Ont  
"CBMT" Toronto Ont  
"CBMT" Montreal PQ  
CKCK-2 Willow Bunch Sask  
CHSS- Wynyard Sask  
XETV- Tijuana BC  
XEBL- Guadalajara Jal  
XET- Monterrey NL  
XHTI- Puebla Pue  
XHZ- El Zamorano Gro  
XEMH- Hermosillo Son  
CMJL- Camaguey Cuba  
CMQ- Habana Cuba  
YNSA- Managua Nicaragua  
WIPR- San Juan PR

1385 Norris Doyle, Pittsburg CA  
1090 Fred McCormack, Des Lacs ND  
1405 Norris Doyle, Pittsburg CA  
2135 Robert Seybold, Fredonia NY  
1370 Pat Dyer, Gunbarrel Hill CO  
1420 Fred McCormack, Des Lacs ND  
1330 Les Prus, Manhattan KS  
1395 Glenn Hauser, Leadville CATV CO  
1245 Randy Miltier, Campbell CA  
1295 Fred Nordquist, W.S.M.R. NM  
1385 Mike Collins, Stratford CT  
1520 Morris Foote, Middleton ID  
1460 Norris Doyle, Pittsburg CA  
1405 Morris Foote, Middleton ID  
1525 Doris Johnson, Longview WA  
1335 Glenn Hauser, Von Oray TX  
1275 Fred McCormack, Des Lacs ND  
1850 Robert Seybold, Dunkirk NY  
1720 Dennis Smith, Wasco CA  
940 Bill Draeb, Kewaunee WI  
1195 Robert Cooper, Arcadia OK  
1315 Bill Draeb, Kewaunee WI  
1065 Pat Dyer, Gunbarrel Hill CO  
1295 Jerry Pulice, Staten Island NY  
1070 Dave Janowiak, Joliet IL  
1835 Barney Rauch, Peoria IL  
1350 Bill Hausmann, Steger IL  
1170 Glenn Hauser, Enid OK  
1310 Larry Godwin, Amarillo TX  
1400 Glenn Hauser, Enid OK  
1175 Fred Nordquist, W.S.M.R. NM  
1335 Robert Seybold, Dunkirk NY  
2145 Robert Seybold, Dunkirk NY  
2020 Robert Seybold, Dunkirk NY  
1325 Bedford Brown, Chicago IL  
1120 Robert Cooper, Oklahoma City OK  
1065 Glenn Hauser, Enid OK  
1310 B. J. Bingham, Festus MO  
1320 Bedford Brown, Hot Springs AR  
2430 Robert Cooper, Fresno CA  
1410 Glenn Hauser, Von Oray TX  
1185 Don Ruland, Holly Hill FL

## CHANNEL 80 TVDX RECORDS

K8#CN Mariposa etc CA 140  
K8#AN Dubuque IA (on 80?) 605  
K8#CK Beadji MN 315  
K8#CP Beatrice NE 330  
K8#BT Selling etc OK 85  
K8#AY Booker etc TX 175  
K8#ED Matador TX 110  
K8#AU Memphis etc TX 60  
K8#AJ San Saba TX 130  
K8#AS Texhoma etc TX 145  
K8#AT Gruver TX 35  
W8#AC Rhinelander WI 125

## CHANNEL 81 TVDX RECORDS

W8#AJ Cattaraugus etc NY 100  
K8#AN Alva OK 100  
K8#AR Cheyenne etc OK 25

OCTOBER 1973



Primary  
KQED-9  
KHQA-7  
KTHI-11  
KUON-12  
KWTV-9  
KFDA-10  
KVII-7  
KFDA-10  
KCHN-6  
KFDA-10  
KVII-7  
WLUK-11

WNED-17  
KOCO-5  
KVII-7

# goodbye

Your editor would like to take this opportunity to announce his resignation as Statistics Editor sometime in the indefinite future. If you would like to take over, please write for more information on the references, techniques and time required. ...until the next, 73 de Glenn



# SOUTHERN · FM DX

Editor: Richard E. Wood  
820 Arlington Ave.  
Baton Rouge LA 70806  
Tel. (504) 343-7771  
Deadline: 13th.

## FEATURING FM DX FROM LOUISIANA TO MARYLAND

### Bill Feldt, 8708 Contee Rd., Apt. 14, Laurel MD 20810

The Persids MS turned out to be a total bust for me; didn't note even 1 burst. Delta Aquarids was much better. August began very poorly, but Tr did pick up toward the end of the month and into beginning of September.

8/19: Tr 0630 WRFY 102.5 Reading PA (94) vy strng, EL to ID on half-hr.

8/23: Tr 1900 WCHR 94.5 Trenton NJ (133) vy gd at times; mixed WDAC/WRVQ; new here, but may have had them since format is religion & may have mistaken them for WDAC.

8/31: Tr 1830 WSCI 89.3 Charleston SC (472) vy strng on peaks, folk mx to ID; stayed q. gd during most of eve. till s/off.

This marked the beginning of excellent tropo to the S. Wash. D.C. was at the time experiencing vy stagnant wx u/ the infl. of a stationary High w/ no thunderstorm activity. Ducting broke down completely w/ onset of thunderstorms 9/3.

9/1: Tr 1900 WXRI 105.3 Portsmouth VA (166) fair w/ Gospel format; normally WAVA slop precludes this reception.

2310 W885 99.9 Jacksonville NC (308) gd w/ Soul/Rock format; spots Wilm'ton & J'vle; ex & wx 2345; can find no data on this one, but FCC chan. assignments show 99.9 as Wilm'ton.

2350 WAAV 102.7 Wilmington NC (350) fair, WL; ID on hour. /QRM.

9/2: Tr 0002 WQSM 98.1 Fayetteville NC (300) poor to fair, ID, C&W; WCAU 0010 WAFR 90.3 Durham NC (250) fair briefly, funds marathon.

0100 WEZC 104.7 Charlotte NC (352) good, EL to "E-Z nx" on hr.

9/3: Tr 1930 WGET 107.7 Gettysburg PA (52) fair, beaut. mx w/ WSNJ QRM.

Superpest WFSI 107.9 (24 hr NSP) had apparently been temporarily felled by severe local thunderstorms.

Noted a vy brief Es opening on 9/5 around 1900 w/ unid's on 89.7 and 90.3, but muf was down to Ch. 2 by 1915. All times EST and that's it for another month. 73. (Thanks for monthly support, Bill; I missed that 9/5 Es, if it happened here. REW)

### Hank Holbrook, 7211 Chestnut St., Chevy Chase MD 20015

DXing from Fair Haven MD cottage overlooking the Herring & Chesapeake Bays 15 mi. below Annapolis MD.

Spent much of my 3-wk. vacation in Aug. at the cottage and had some chance to listen for once. The skip opening of Aug. 10 was the latest summer skip noted in this area since I started FM DXing back in 1959.

Underlined have already verified. Power shown if listed on verie. EDT.

88.7 WNHU West Haven CT 240 Tr 8/3 2248-2348 soul, then RR 2300, nx

94.9 KFMU Kansas City MO 975 Es 100 kw 8/10 ad's, wx. 1200; Gd. mx, Sound of Mx. etc. 1159-1204

91.3 KBIA Columbia MO 855 Es 100 kw 8/10 1201-1206 nx, wx, CL.

88.9 WLCC Lincoln IL 700 Es 4.6 kw 8/10 1229-1239 ID, Radio Bible Cts.

91.3 KDCR Sioux Center IA 913 Es 48 kw 8/10 1248-1300 Portals of Prayer, nx

91.3 WWUH West Hartford CT 290 Tr 1.8 kw 8/11 0751-0829 RR

99.3 WPLZ Petersburg VA 125 Tr 8/12 0327-0350 8 99 wx, ID, EL; "Escape to Happy Sound of WPLZ"; ex-WSSV

90.7 KWMU St. Louis MO 740 MS 8/12 0300-0406 ID; RR, nx at 0400 (surely not continuously? REW)

91.7 WHUS Storrs CT 290 Tr 3.16 kw 8/12 2324-2357 s/off, RR. Vy hvv QRM 10 w WKDU pest in Philadelphia! Their most distant rpt.

99.9 WEZB Bridgeport CT 250 Tr 8/14 0342-0405 E2 mx, wx 0400, ex-WPSB.

Hank Holbrook (Cont.)

88.9 WMBW Chattanooga TN 540 MS 100 kw 8/15 0750-0905. CL, nx 0800, CL.  
 92.7 WJJS Port Republic MD 15 Tr 3 kw 8/15 1653-1717 Backgrd mx, nx.  
 1700. Ex-WESM.  
 99.9 WQQQ Easton PA 175 Tr 8/19 0727-0807. Hvy QRM WE28.  
 Rel. then on a Sun. AM. EL 0800,  
 Ex-WEEEX.

Many other stns noted on 8/12 Es but I either had them or went unid. Best were KANU breaking thru local WBJC on 91.5 and KSOZ a powerhouse on 88.1 (here them on most Es openings here). There was an excellent trop opening to New England Aug. 23, during much of the day and evening but I could find nothing, much to my frustration. Best DXwise were WAAF the Rock of New England breaking thru local WMAL in the early afternoon on 107.3. Have hrd WAAF in the early AM when WMAL off but never thru them before. WFCR Amherst MA was breaking thru WAMU on 88.5 which only happens on really good openings. WKCI CT was all by itself much of the day on 101.3. In fact I hrd a slew of CT stns at good level. Varies now at 661 in 31 states, Ont., P.Q. and Man., plus Cuba, Bermuda & P.R. This should just about take care of the season here but might stumble onto some fall DX. With fuel shortage will probably close the cottage several months this winter. 73. (Thanks for support in a DX-short month, Hank. I have taken the liberty of converting to 24-hour clock; those times just before noon and midnight seem clearer in that system, and it is more scientific, too. As you know, our skip results are being computerized by Mel Wilson. REW)

Dr. Richard E. Wood, 820 Arlington Ave., Baton Rouge LA 70806. CDT.

A lovely morning duct up the Mississippi and beyond its northern reaches gave me my first Wisconsin trop, a previously-heard Es catch. My only regret was that I did not make it out of bed before 8 a.m. that morning. It was a true sudden duct; previous evening's conditions had given so sign of a superb opening, or I would have set my alarm. All August 22:

Tr  
 0815-0830 WIFC Mausau WI 1005 C&W, loc spots, SID; prev by Es; my most northerly (not most distant) Tr  
 0830-0845 KNOX - St. Louis MO 567 EL atmt, FM ID, comtry calendar; unn.  
 0830-0900 KGRV St. Louis MO 567 library show, EL/MoR standards; unn.  
 To change call, format, ownership soon  
 0830-0900 KSUR - Burlington IA 718 MoR auto, \$, loud, full SID  
 0843-0900 KSGM - Ste. Genevieve MO 543 C&W, many local spots, mono, // AM.  
 0911-0930 KSHE Crestwood MO 565 spots neighboring cities, K-SHE, RR  
 0926-0930 WOKZ - Alton IL 581 Upper Alton wash spot, MoR

Plus relogs numerous St. Louis area, WILL - Urbana, WMTD Peoria IL 105.7 loud (first logging at switch-on 0810), many in 500-mile plus range. Zero conditions since then, massive low-pressure waves, steady rain.

Dennis Smith 450 Poplar Avenue Vasco, California 95280 (Jan -21 Aug) (PST)

My last report was at the end of December 1972 in the Feb-73 column. Since then, little mobile DX has been hrd around Calif., and I've been in Vasco only occasionally for a few days each in early Feb and mid-Apr., and 27 Jan - 5 Aug, and probably 20 - 30 Aug. No real DX has been noted--only new stns on the air.

While in Santa Barbara for a few days in early July, hrd new KEWE 95.7 Camrillo CA (3 kw, 50 mi), KOVA 105.5 Ojai, CA (130 w on mtn, 50 mi) el & classical, and on trope inversion KAPX 107.9 San Clemente CA (28.5 kw, 150 mi). Inversion is generally quite consistent along strth Calif. coast btwn Santa Barbara and San Diego areas, sometimes quite intense. At this time KPMB-FM 100.7 San Diego CA (30 kw, 175 mi) was noted near sea level location over KHAY 100.7 Ventura CA (38.6 kw, 45 mi).

During the Feb. and Apr. days in Vasco, noted KEWE 95.7 Camrillo CA (3 kw, 95 mi) and KUHA 96.1 San Luis Obispo CA (3.8kw, 75 mi, el). KUHA was KATY-FM w/xtr downtown behind mtns, so never hrd it; now on mtn w/ KSEY-FM-TV.

In July in Vasco, hrd KPFC-FM 106.7 Pasadena CA (25.5 kw, 125 mi, rock) only because local KNSM 106.7 Tulare (770w on mtn, 80 mi) has quit 24 hr sked. No Es heard at all.

I have decided to include XETRA-91.3 Tijuana in my log. It was hrd March 1968 but not added since I didn't know anything about the stn. then. Vasco FM log is now at 197. Best of DX.



# WESTERN FM DX

Editor:  
Mike Dornier, Jr.  
Box 988  
Nome, Alaska 99762

DX FROM THE LAND OF BEGINNING AGAIN

Pat Dyer, Box 988, 5315 Silvertip Drive San Antonio, Texas 78228

During the Perseid meteor shower I thought I'd try to see as well as hear the meteor bursts (I'd watched the displays avidly 1958-1963). I had always figured that most of the FM (or TV burst) would be from meteors too close to the horizon to see very well. The near full moon and scattered clouds Aug 11-12-13 didn't help that either. Anyway, as expected, a lot more were "heard" than seen; some seen without any associated burst; but a couple were noted with 10-15 second FM bursts apx 2-3 seconds after the meteor had faded. This about the only mode of DX where you can see what is doing it! All times GST.

Aug 10: 1150, trop KAMC 94.9 Arlington TX (245 mi) local ads; rock.  
Aug 11: 0824 KLGK-FM 96.1 Blytheville Ark (655 mi) c&w, ID. Only my third Arkansas stn, making #2 by MS; total by MS is only 5.  
Aug 12: several tentative Mexico City stations, one from Guatemala, one from S. Dakota.  
Aug 17: trop well up into Houston-Dallas areas; some experiments with the International Crystal SAX-1 amplifier show it does work well ahead of the SX-62, but still needs more gain.  
Aug 19: trop agn into Houston-Dallas vry strong.  
Aug 20: 0015 KILT-FM 100.3 Houston, Tex (185 mi) public service type pgm, 0030 id, //AM; FM t/off rapidly. Local KERR- 100.5 off; this logging sure along time coming.  
Aug 23: 1928 KSJN 91.1 Minneapolis MN (1065 mi) id, ex mx  
KSJR 90.1 Collegeville MN (1110 mi) had been #91.1  
1931 KTIS-FM 98.5 Minneapolis MN, id. Several other tentative Minneapolis stns.  
Aug 24: 0139 KBFM 104.1 Edinburgh TX (220 mi) id  
0200 KAYD 97.5 (KEEZ on) Beaumont TX (275 mi) id, mor.  
0201 WFAA-FM 97.9 Dallas TX (250 mi) nx  
0205 KIEB-FM 93.3 Killean TX (125 mi) mor, id's  
0813 KGAP, 94.5 Gainesville TX (310 mi) c&w, id  
0830 KTAI-FM 98.1 Texarkana TX (365 mi) c&w, id  
0859 KULP-FM 96.9 El Campo TX (140 mi) el, id.

With two SAX-1 preamps in series, SX-62 does perform better (though the noise figures for them appear rather high), but range 85-105 so need still additional unit for high end of band. Using home-brew (from magazine article) tuneable trap on Allied 426 with good results in cutting out local cross modulation problems. WLRN-FM verified my June 5 tent log, as have KROC-FM (June 6), KYEG-FM (June 4), KCUE-FM (June 5), and KERR (July 22). A few more tents still out. 73.

Glenn Hauser, 620 North Husband Stillwater OK 74074

at Enid Oklahoma  
2907D 1125 99.3 Tr KOYY- El Dorado KS 115 local anmts; portable & IPA; o/KLOR

at Stillwater, Oklahoma  
0508D 1271 98.3 Es CBW- Winnipeg, Man 940 set up for it since "CBWFT"-3 but it wasn't at this moment, so maybe long MS! CBC anmts; giving Box 500, Toronto addr  
1730 98.3 Gw KABI- Abilene KS 195 id  
1925 95.9 Gw KRBB- Sallisaw OK 130 "775-9109" request line  
1934 89.5 Gw KWGS- Tulsa OK 60 cl, east; supposed to be off this month; 1939 UT junkket, to Racatan promo  
2009 90.1 MS WMBI- Chicago IL 635 sermon ME, superburst; many others  
2130 98.5 Gw KLAZ- Little Rock AR 280 acid rock; 2159 id  
0608M 0754 88.1 Tr KSQZ- Point Lookout MD215 organ mx; 0800 id/wsame NPR ditty as KSIM; music course; the ID as public radio, not carrying Watergate coverage.  
0708T 1016 101.1 MS WBAY- Green Bay WI 745 Green Bay mentioned  
0808M 0630 98.5 WHLD- Niagara Falls NY 1060 local reference to Niagara in news  
1627 88.5 WFDD- Winston-Salem NC 930 cl; 1630 amts, fade

1628 90.3 WAPR Durham NC 1000 \*soul; 1634 YL annt; vy lo mod, ID in peng  
 0908 2345 92.1 Gw KTBA Broken Arrow OK 70 local, Tulsa ads  
 2347 91.5 KANU Lawrence KS 220 jazz, NNE  
 2348 90.5 KXGV Maryville MO 315 hard rock, NNE  
 2349 90.9 KCMW Warrensburg MO 255 hard rock, NE  
 2350 93.3 KWKI Kansas City MO 245 national nx; 2355 KC wx, id  
 1008F 0852 98.5 Es WYGR Hanover PA 1105 ad ment \*US Business Rte 158, Gettysburg & Crystal Lake  
 0903 98.1 Gw KGOO- Lawton OK 130 UPI, not Ai nx; Robt Crabbe in Tokyo Report  
 0917 97.5 Es WAKR- Akron OH 895 sung ad for FNB of Akron  
 0918 98.1 WQYT Binghamton NY 1190 Fiddler/Root; 930 \*Endicott ad; #98 wx, id, "Velvet Sounds."  
 0923 97.3 WHOU- Ithaca NY 1165 \$ cl c/u/WIBW, KWTO; 0932 cl  
 0939 98.3 Ms WQLI Ottawa IL 570 "WQLI News"  
 1029 98.5 WHLD Niagara Falls NY Niagara Savings in western NY ad  
 1059 97.5 WDWS Champaign, IL 545 Central IL Olds/Cad ad  
 1108 0445 101.9 Gw KFNB Oklahoma City OK 50 s/on  
 0505 99.9 KLUR Wichita Falls TX 175 s/on KLUR-Texas jingle  
 0545 102.9 KDTX Dallas TX 230 SS ads  
 0624 97.5 Gw KGUS Hot Springs AR 250 local temp, time  
 1208D 0430 93.7 Gw KISR Fort Smith AR 155 "Kisser" ID's  
 0459 93.9 Ms WBAG- Burlington NC 970 s/on  
 0459 94.3 Tr KAMO- Rogers AR 160 s/on  
 0500 94.1 KEZQ Little Rock AR 280 wx, promo ment KMYO(??)  
 0517 100.5 Ms WLBG Laurens SC 845 Greenville auditorium promo; Laurens ad, on Greenville Hwy; Mobile homes  
 0532 101.3 KFPI- Wichita KS 100 nx; backscatter; antenna east by Ms burst  
 0739 102.7 WRYM Suring WI 760 id, 65°, 0930 id, agn (KAFG absent)  
 1002 102.7 Tr WREC- Memphis, TN 395 local nx; FM103 Music.  
 1045 102.7 WAAV Wilmington NC 1075 id  
 1132 106.1 WRFS Alexander City AL 660 "here in Alexander City," nx, ad  
 1141 106.5 WQLR Kalamazoo MI 740 FNB of MI, Kalamazoo ad  
 1649 88.9 Es LHM- Mexico DF 1150 Ron Becardi ad, id  
 1308 0503 102.3 Gw KCAB- Dardanelle AR 230 s/on with AM  
 0630 97.5 KGUS Hot Springs AR id  
 0631 97.5 Tr KWTX- Waco TX 315 local annts  
 1408 2130 90.5 KXGV Maryville MO NNE Kent Concert; 2157 ID, asking listener opinion on advancing "Static in 8" rock to 10:15 start (later: rejected 8:1); 0003 end NA and off  
 2145 90.9 KCMW Warrensburg MO Jazz Workshop; 0004 still  
 2146 91.1 KBJN New Brighton MN 650 north cl; narration, discussion, 2230 end "Conversations in Music," id; "classical 1 to s/off"; 0000 still in  
 2147 90.1 WOI- Ames, Iowa 450 NNE cl piano not // 91.1  
 2233 97.1 KTCR- Minneapolis MN 645 MN nx; 2359 id, 24 hr, 50 kw & c&w  
 2244 97.5 KXKR Rochester MN 595 ID, FM car radio ad; 2302 ABC-FM nx; 2305 into MN nx, wx, s/off.  
 2255 107.9 KPMW Waterloo, Iowa 510 UPI nx, E IA wx, #108 Olde Golde  
 2259 100.3 WHO- Des Moines, Iowa 425 local nx  
 2317 100.7 WBIZ- Eau Claire WI 665 Lakefront Temp 63°; 2320 local Holiday Inn; 0006 "Holiday INN Nighttime", but local origination  
 2320 99.5 WLOL Minneapolis MN 645 "99-5 FM# Minneapolis-St Paul--The Music Box, where you recognize every song or you can send it back to us."  
 2328 93.7 WATL- Minneapolis MN 645 Merit Chevy on I-94 in St Paul, id, FM car radio promo  
 2343 97.3 Tr KIMI Des Moines IA 425 ad, on IA State Fair Grounds; Gospel  
 1508W 0000 100.7 WBIZ- Eau Claire WI AM&PM nx, "The Entertainers from Eau Claire"  
 0359 104.9 KRGK Carthage MO 165 s/on/KMNC; Ai nx  
 1708 2206 106.9 KQOM Muskogee OK 95 addr PO Box 36; ending weeknight 1½ hr clas-  
 sic show, asking for reports  
 1808S 0015 107.3 KARD- Wichita KS 110 s/off  
 0915 90.1 WOI- Ames, Iowa cl, a few annts  
 0930 90.1 Ms KBJR Collegeville MN 670 id  
 1028 90.1 WMBI- Chicago IL sermon; ant NNE  
 1908 0750 90.1 Tr WOI- Ames, Iowa cl; 0759 id; in& out all day; K88C off month



October, 1973

2008M 2030 90.1 Tr WOI- Ames, Iowa steady w/cl  
 2308M 1755 89.1 Es KHRA- Guadalajara, Jal 1105 (SS on this freq-KMJW!!)mx; 1759 \$Jet id;  
 1806 apologizing for no news all day; lines  
 out; 1807 promo Chet Huntley exclusively in  
 Mexico on KHRA; 1811 This Day in History  
 (asked 8:15 am, 6:15 pm exclusive); freq exactly on KMJW and measured; doubt it varies; live  
 dj is Jack Smith; 1842 f/in again.  
 1826 88.9 XHM- Mexico DF Impala 73 ad in DF  
 1827 88.32 XERCN- Mexico DF 1130 (cf 9 July 88.33, likely this); nestro  
 siguiente program; id went 50 kw (on AM),  
 gas PSA, freq measured, f/out; lowpower link  
 mx, quick fade; 1854 rock w/hum; 1858 "Ima-  
 gen" one word ID by child  
 1832 90.5 XEDA- Mexico DF 1130 16-96-77 for requests; YL anncr, rock,  
 1843 91.3 XHJL Guadalajara Jal 1105 squeezes by KOSU 91.7  
 1855 89.7 XEBS- Mexico DF 1130 mx, La Chica Musical id, address  
 0109S 0655 88.5 Tr KUMR Rolla Mo 315 sports, nx, 0700 mx, 0708 id, in for some  
 time

Decided to move up here so I could get Mexico better. Seriously folks, I'm with KOSU-FM, Oklahoma's NPR affiliate, on 91.7 mhz. We're very interested in DX reports but surprisingly few trickled in this summer. If you heard KOSU and did not send a report, feel free to do so now, either to me or to Mgr. Ed Paulin. The first month of FM DXing here produced some nice Es, tropo and MS catches. Until the next, 73, Glenn.

Dennis Smith 450 Poplar Avenue Wasco, California 93280 (to 31 Aug) PST

I didn't think there would be any more DX through end of Aug, but there was some, probably the only "real" FM-DX noted this summer, even though just tropo.

GW/tropo has been at its usual summertime level here, with TV (VHF-UHF) and FM out to 250 mi, esp. in mornings; stable air layers and inversion. Stability was interrupted in mid-August by breezes and cooling; signals fell. While still cool, perhaps with higher altitude duct, VHF-TV low band and FM were stronger than usual (high band and UHF did not come up) on 24 Aug eve: id 2200, KBBF 89.1 Santa Rosa CA (420w on mtn, 270 mi), Eng & Spanish, poor signal. This condition went into early hours of 25 Aug, awoke 0330, hrd unids 89.5 (tent. KPQO San Francisco) 89.7, 90.1; On 26 Aug, awoke after 0400, finally after years caught (id 0415) KLRO 94.9 San Diego CA (37.57kw, 220 mi, Gospel mx, good). Not hrd before because of local KBOS 94.9 Tulare CA (770w on mtn, 80 mi) and (after midnite) potent KSNB 94.9 San Francisco (35 kw, 225 mi), but this time northern California was down while southern California was better. Since then, to end of month, the stable hot temps. and inversion have returned.

Total Wasco FM log is 199. This includes 1 city-of-license change and 3 frequency changes, including recently-changed KPFG 101.1 Fresno (ex-94.5) which may still be debatable points. Best of DX.

Mike Dorner, Box 988, Nome, Alaska 99762

(All times EDT; June 15-)

There is nothing to report. The FM band is dead, absolutely dead. There are a few signals of QC in the 88-100 mhz band, but never any modulation-- probably point-to-point stations, or harmonics of a lower mhz. The nearest FM is Fairbanks (KUAC); never heard. There are three or four FMs in Anchorage, 576 air miles away over two mtn ranges; never heard. Juneau will have a 10w on shortly, but that's 800 miles away. Seattle is 1200 miles away. Both economics and terrain militate against FM here; we have talked about putting an FM on the air, and there's quite a bit of interest in FM, but until the economics pick up, there will not likely be any new stations, at least outside of Fairbanks. Nome has 2500 people, and it is the largest city on one thousand miles of coastline of western Alaska. Public AM stations operate in Nome, Bethel, and Kotzebue, with others planned for Dillingham and Kodiak; they do not run NPR but programs largely for Eskimo and Indians. The population of whites tends to be rugged individualist with not a high level of education, and NPR would not seem to be what they would listen to anyway.

As of this issue, I am resigning as Western FM DX editor. I urge public-spirited members to step forward and take over the position. Ideally someone from the Western U.S. would be sought, but it doesn't matter. If you're interested, immediately contact Morris Goldman, 5815 North Christians Ave. Chicago, Illinois 60659.

Thanks to all who contributed, particularly to new members.

October 1973

Jim Pizzi      300 Park,      Orcutt, California 93454      (Jan thru 26 July) (FDT)

Ed. note: Dennis Smith sent in Jim's report with his own, and added this comment: "He sends it to me along with his TV-DX report for whatever interest it has for me (and it does, for MUF figuring, etc.) but he says he neither has time to send a separate report for FM nor to make up program tips which he believes is what you want (he is busy with his brothers in developing and running a hi-fi store in Santa Maria.) I tend to believe that any report, even if just a straight list, is useful for propagation interest if it includes dates and times."

May 21

1430 89.9 tr **KORW** Santa Monica CA

May 26

1250 92.7 Es **unID** (LBJ estates ad)1300 92.3 **KMPM** Midland TX1309 101.3 **KNAF** Fredericksburg TX1330 100.3 **KTLC** Dallas TX1332 100.7 **KASF** Austin TX1335 105.1 **KNIT** Abilene TX1337 94.9 **KFAD** Arlington TX1340 95.7 **KLDG** Hobbs NM1345 97.1 **KWXI** Fort Worth TX

Jun 3

2022 92.3 Es **KMPM** Midland TX2024 92.1 **KBAD** Carlsbad NM2025 95.7 **unID** (possibly Hobbs NM)

Jun 4

1935 91.7 Es **KTOY** Tacoma, Wash1935 92.9 **KVGM** Bellingham, WA

Jun 5

0802 105.1 Es **KNIT** Abilene TX0803 105.3 **KOAX** Dallas TX0804 107.5 **KNOK** Fort Worth TX0808 92.1 **KBAD** Carlsbad NM0809 102.1 **KPWD** Fort Worth TX0810 93.7 **KSEL** Lubbock TX0815 98.7 **KNUS** Dallas TX

Jun 16

2106 100.7 tr **KRSA** Salinas CA2115 101.1 **KZIG** Fresno CA (new freq.)

Jun 25

1002 94.5 Es **KBMC** Eugene OR (CAM mx)

# FM QSL CORNER

Greg Kelley  
108 Archer Street  
Staunton, Virginia 24401

Hello fellow DX'ers...my name is Greg Kelley and I will become the new FM QSL Editor. It seems to me that since there has not been a FM QSL report section since April, a lot of you must have new QSLs. Lets try to get QSLs and have a big column. Below is a short QSL report and a few words on myself.

North Carolina: **Eden-WEAF** 94.5, used my QSL form and S.A.S.E., Verified in 6 days for mint stamp. (On the 3rd try!)

Virginia: **Culpeper-WCUL** 103.1, verified by using my QSL form in 5 days for mint stamp.

**Harrisonburg-WBMC** 91.7, sent letter QSL in 8 days for mint stamp.

**Richmond-WRFK** 106.5, sent blue & red QSL Card in 8 days for mint stamp.

**Roanoke-WVWR** 90.2, verified by using my QSL form in 5 days for mint stamp.

My receiver for FM DX is a Zenith Transoceanic 7000Y and the antenna is a whip. My elevation is 1600 feet, but a 20 mile drive caput you over 3500 feet. There are two hills around me. One to the East and West, rising about 5 degrees.

Under normal conditions I receive 26 cities and towns which total about 50 stations. The most distance station received is Williamsburg, Va. at 135 miles, with 9 more stations between 100 and 118 miles. Due to all the stations I receive very little skip, although I did QSL Omaha, Nebraska. I have about 160 QSLs but a lot comes from my DX trips.

I will be looking forward to hearing from all of you.  
Deadline is 12th of month.



# EASTERN TV DX

Dave Pomeroy  
KTVU-Channel 11  
Signal Hill  
Topeka, Kansas 66604

Although a few June reports still appear in this month's Eastern TV-DX column I'm start-to get caught up and only have a couple of reporter's columns not listed. For July and August, skip activity continued to dominate TV-DXing with some tropo occurring at some scattered locations. From the reports listed this month, Es occurred on 15 days in July and 4 days in August. While skip was scattered throughout the month of July, the 25th seemed to bring the best reception with 5 Eastern DXer's reporting skip on that date. July 27 was also productive with 4 reporters indicating skip. In August, the 10th was the skip highlight with 3 reports of skip. Tropo was also reported throughout the months of July and August with July 7 and 8 reflecting Tropo from New York to Alabama.

Frank Wheeler 6589 Wattsburg Road Erie, Pennsylvania 16509 (EDT)			
7-3	Es	KNOP-2 N. Platte, NE	4413R1066
		KLNE-3 Lexington, NE	5532R1016
	Tr	WNDU-16 South Bend, IN	3345R0318
7-4		WWOW-5 Chicago, IL (new call? dpj)	7-25
		WBBM-2 Chicago, IL	3345N0405
		WITI-6 Milwaukee, WI	4445R0410
		WGN-9 Chicago, IL	4445R0405
7-6		CBFT-25 Toronto, Ontario	3355N0118
7-8		WITI-6 Milwaukee, WI	3133R0410
7-11	Es	KXJB-4 Valley City, ND	3311R0943
		KTEW-2 Tulsa, OK	4444R0943
		KTVS-3 Sterling, CO	4322R1188
7-12		KCKT-2 Great Bend, KS	4111R1015
7-13	Tr	WJMN-3 Escanaba, MI	2222N0431
	Es	KWGN-2 Denver, CO	3422R1322
7-23		KNOP-2 N. Platte, NE	1211R1066
	Tr	WXON-20 Detroit, MI	4440R0155
	Es	KNOP-2 North Platte, NE	1311R1066
7-24	Tr	CJOH-6 Ottawa, Ontario	2411R0313
7-25	Es	KWGN-2 Denver, CO	4444R1292
		KDIX-2 Dickinson, ND	4433R1169
		KFYR-5 Bismark, ND	5534R1066
		KTVI-2 St. Louis, MO	4444R0595
		CBHT-3 Halifax, Nova Scotia	4433R0804
		CJCH-5 Halifax, Nova Scotia	4434R0804
		KUSD-2 Vermillion, SD	5445R0851
		KTIV-4 Sioux City, IA	4444R0830
		KMTV-3 Omaha, NE	5444R0815
		KLNE-3 Lexington, NE	4432R1016
		KNOP-2 N. Platte, NE	4433R1066
		0800 KATC-3 Lafayette, LA	
	Tr	4028 CJMO-6 (Where is this one? dp)	313
	Es	1130 KWGN-2 Denver, CO	R
		1200 KNOP-2 N. Platte, NE	R
		1130 WMAB-2 State College, MS	R0840
		1131 WLBT-3 Jackson, MS	R0882
		1218 KCKT-2 Great Bend, KS	R1015

"I sure was glad to meet all you fellows at the convention, but wish I could have stayed for the banquet. I hope the next time Bob has a convention it can be some other week besides the first or second week in August. ... If you went up on the hill at Bob's farm house I imagine you got a lot of DX that Sunday morning. KWGN was coming in but that was all I got, you fellows probably got more." (We didn't get up the hill Sunday, but saw Es)

Peter C. Gennuso 636 Main Street Dunkirk, New York (EDT)			
7-15	Tr	0830 WFMJ-21 Youngstown, OH	7-25
		0901 WAKR-23 Akron, OH	0715 KPRC-2 Houston, TX
7-17		1700 WGTB-30 WDOH-24 Toledo, OH	0719 WMT-2 Cedar Rapids, IA
		2135 WUAB-43 Lorain, OH	0722 KMTV-3 Omaha, NE
7-18		0818 WAKR-23 Akron, OH	0734 KTVI-2 St. Louis, MO
		2207 WBGU-57 Lima, OH	1232 KUSD-2 Vermillion, SD
		2210 WXON-20 WKBD-50 Detroit, MI	1302 KNOP-2 North Platte, NE
7-19		0800 CHEX-12 Peterborough, Ont.	1315 KMTV-3 Omaha, NE
		0832 WILX-10 Lansing, MI	1504 KTVS-3 Sterling, CO
		0845 WEYI-25 Saginaw, MI	1501 CHNB-4 North Bay, Ontario
		0920 WUHQ-41 Battle Creek, MI	0301 CJOH-13 Ottawa, Ontario
		0920 WOTV-8 Grand Rapids, MI	Es 1924 KUSD-2 Vermillion, SD
7-21		2322 CITY-79 Toronto, Ontario	1929 WEDU-3 Tampa, FL
7-22	Es	1515 WESH-2 Daytona Beach, FL	2030 KOA-4 Denver, CO
		1703 WEDU-3 Tampa, FL	2100 KLNE-3 Lexington, NE
7-23	Tr	0800 WWUP-10 Sault Ste. Marie, MI	8-7
		0839 WWTW-9 Cadillac, MI	Tr 0900 WANE-15 Ft. Wayne, IN
		0857 WXXI-21 Rochester, NY	0902 WNDU-16 South Bend, IN
		0929 CJOH-8 Ottawa, Ontario	0920 WSBT-22 South Bend, IN
	Es	1846 CKCW-2 Moncton, NB	0925 WKJG-33 Ft. Wayne, IN
7-24		1802 KDLO-3 Watertown, SD	0933 WLFY-18 Lafayette, IN
		1831 KDIX-2 Dickinson, ND	0945 WARD-19 Johnstown, PA
		1900 KFYR-5 Bismark, ND	8-10
			Es 1300 KARD-3 Wichita, KS
			8-11
			Tr 0745 WSTV-9 Steubenville, OH
			0747 WFMJ-21 Youngstown, OH

"August 11-22 dead except for usual tropo. Total log at 120 stations with 29 UHF [good opening on 8-7 brought 6 new on UHF in 45 minutes--have not seen any of them since."

Harry Hayes 9 Henry Street Wilkes-Barre, Pennsylvania 18702 (EST)

7-3\* Es 1700 KUSD-2 Vermillion, SD 5322R1070 7-25\*Es 1205 KTVI-2 St. Louis, MO 3033R0730  
 1719 WCCO-4 St. Paul, MN 4555R 1213 KLINE-3 Lexington, NE 5044R  
 "With Thunderstorm warning, Mr. Prus take note" 1230 KARK-4 Little Rock 3521R0990  
 1730 KDUH-4 Hay Spring, NE 3333N1370 1303 KCKT-2 Great Bend KS3333R  
 1745 KXJB-4 Valley City, ND 2045R 1315 WDAF-4 Kansas City 3533R  
 7-11 2200 KFDX-3 Wichita Falls 4332R1310 1320 KARD-3 Wichita, KS 5555R1150  
 7-21\*Tr 1556 WGR-2 Buffalo, NY 3122R0195 1430 KTEW-2 Tulsa, OK 5532R1054  
 2030 WBZ-4 Boston, MA 4444N0260 1430 KYTV-3 Springfield 3433R  
 2300 WGBH-2 Boston, MA 4244R0260 1500 KARD-3 Wichita, KS 5555R1150  
 2300 WCVB-5 Boston, MA 3222R0260 1510 KQTV-2 St. Joseph, MO 4411R0990  
 2300 WNAC-7 Boston, MA 1433R0260 7-27\* 1747 CJON-6 St. John's, Nfld. 3545R  
 7-25\*Es 1130 WTOG-2 Terre Haute, IN 4023N 1800 UNID-4 "repeat of CJON-6. What  
 1158 KQTV-2 St. Joseph, MO 5333R0990 would calls be?"

"That about concludes it for this month. A thing I noticed with Maritime Es openings over the years is that for one thing they don't happen that often but also they seem to climb to channel 6 rather fast when they do occur." \*reception in Thornhurst, PA (10mi)

Bob Seybold Bennett Road Dunkirk, New York (EDT)

6-19 to 26 Tr WNPE-16 WNEP-16 WMHT-17 WJAN-17 Canton, OH WCDC-19 N. Adams, MA WNPI-18 NY  
 WARD-19 Johnstown, PA WLFI-18 WHIZ-18 WSYE-18 WUMC-19 WUTR-20 Utica, NY WXON-20 Detroit  
 WVTB-20 WPTA-21 WHP-21 WDAU-22 WKAR-23 WCNY-24 WDHO-24 WEYI-25 WTPA-27 WSJV-28 IN  
 WBRE-28 WGTB-30 WHNB-30 WNYC-31 WRLP-32 WKJG-33 WITF-33 WBJA-34 WOSU-34 Columbus, OH  
 WLIO-35 Lima, OH WENY-36 WSBK-38 WLVT-39 WICZ-40 WYTA-41 WXTV-41 WUHQ-41 WSBA-43 PA  
 WVIA-44 WNEO-45 Alliance, OH WSKG-46 WKBD-50 WEDN-53 WTVS-56 WKBG-56 WBGU-57 Bowling  
 Green, OH and 5 UHF translators for WNED-17 WCBS-2 WTIC-3 WBZ-4 WRBG-6 WABC-7 WNAC-7  
 WLWC-4 WKZO-3 WOTV-8 Grand Rapids, MI WTVN-6 WBNS-10 WLWD-2 WLWT-5 WDTV-5 WTVL-10 PA  
 WKRC-12 WJRT-12 Flint, MI CBOFT-9 Ottawa, Ont (rare) CJOH-13 Ottawa, Ont (also rare)  
 "Due to size of this report, I will only list E-skip of 6/26/73 even though skip was  
 in on the 19th, 20, 21, 23, 24, & 25. Some days real good opening but general run of skip  
 all single hop--Cubans best."  
 6-26 Es KTVI-2 KUSD-2 KLINE-3 KOA-4 KORN-5 KTVS-3 KARD-3 KNOP-2 KRMA-6 KWGN-2 KQTV-2 MO  
 KDIX-2 KTVQ-3 KYTV-3 KDLO-3 KOTA-3 KHTL-4 Superior, NE KMOX-4 KOAA-5 KDSJ-5 KMOS-6 MO  
 6-27 to 6-30 "Great period for E-skip starting with 6/27. Terrific opening 1700 till  
 2300 or later. Almost every possible skip station in southeast U.S. Observed 4 to 5  
 deep on channels 2-6. WPBT-2 WDIQ-2 WCBD-2 KETS-2 WBRZ-2 WSB-2 WMAB-2 KTEW-2 Tulsa  
 WSJK-2 WUND-2 "possible Nashville on channel 2--Did WSIX-8 shift to channel 2?"  
 (There was to be a switch of channel 2 and 8 in Nashville so it may have taken  
 place by now. Move should help both stations. PBS station did not have financial  
 resources to increase power on channel 2 so gets full power on channel 8 this way,  
 dp) WEAR-3 WEDU-3 WSAV-3 WRBL-3 KTBS-3 KATC-3 WREC-3 WLBT-3 KFDX-3 WRCB-3 WTVY-4 AL  
 KARK-4 WML-4 WCBH-4 WFBC-4 WSM-4 WKRC-5 KPSA-5 WAGA-5 KALB-5 WMC-5 WLAG-5 WBR-6  
 WDSU-6 WJBF-6 WABG-6 KTAJ-6 KAUZ-6 WATE-6 KCMC-6 (Where is this station, Bob? I  
 can't find it in TV FACTBOOK. Is it a new call? dp) UNID-6 Cuba  
 6-28 WESH-2 WTVJ-4 WEDU-3 WEAR-3 WTHS-2 WBRZ-2 KATC-3 Lafayette, LA  
 6-29 1700-2200 WUND-2 WFMY-2 Greensboro, NC WCBD-2 WEDU-3 WEAR-3 WSAV-3 KATC-3 WBTV-3 NC  
 WWAY-3 WUNC-4 WCIV-4 WUFT-5 WAGA-5 WRAL-5 WSCS-5 WECT-6 WCTV-6 Tallahassee, FL  
 6-30 KCKT-2 Great Bend, KS KARD-3 Wichita, KS  
 7-1 Tr WNDU-16 WSBT-22 South Bend, IN WNEP-16 WDAU-22 WBRE-28 Scranton, PA WSYE-18 WENY-36  
 Elmira, NY WNPI-18 WNPE-16 WUTR-20 WUMC-19 MI WXON-20 WKBD-50 WTVS-56 Detroit, MI  
 WKAR-23 WEYI-25 WGTB-30 WDHO-24 Toledo, OH WKJG-33 WBJA-34 WICZ-40 Binghamton, NY  
 WBGU-57 Bowling Green, OH CITY-79 Toronto, Ont "snow-free" 5 translators of WNED-17

Bill Thompson 1907 Seneca Street Buffalo, New York 14210 (EDT)

7-3 Es 1759 WEDU-3 Tampa, FL 2132R 7-8 Tr 0001 WWUP-10 Sault Ste. Marie, MI  
 Tr 2259 WNEP-5 Bay City, MI 4543R 7-11 Es 1946 WREC-3 Memphis, TN 4323N  
 7-6 1900 WTOL-11 WSPD-13 Toledo, OH 2058 KPFA-5 Ft. Smith, AK 4433N  
 2044 CFPL-10 CKCO-13 Ontario 2058 KOTV-6 Tulsa, OK 4313N  
 7-7 0155 WWJ-4 Detroit, MI 3545N 2059 WATE-6 Knoxville, TN 3312N  
 1929 WJIM-6 Lansing, MI 3444N 2127 KHAS-5 Hastings, NE 4423N  
 2000 KCRG-9 Cedar Rapids, IA 3333N 2159 KTBS-3 Shreveport, LA 4313R  
 2059 WWTN-9 Cadillac, MI 4553N 7-19 Tr 0633 WSTV-9 Steubenville, OH 2144N  
 2200 CICA-19 CBLFT-25 Toronto, Ontario 7-22 0940 WNNY-7 Watertown, NY 4242R  
 2255 WKAR-23 E. Lansing, MI 3444N 7-23 0030 CKWS-11 CHEX-12 CJOH-26 strong  
 2259 WEYI-25 Saginaw, MI 4544N Es 1959 CJBR-3 Rimouski, Que 2152N  
 2301 WNEP-5 Bay City, MI 4343R 2008 CBHT-3 Halifax, NS 3152N  
 2330 Rochester/Syracuse VHF's CJOH2-6 2011 CJCB-4 CBIT-5 Sydney, NS N  
 2340 CKNX-8 Wingham, Ontario 4454R 7-24 1903 KDLO-3 SD 7-28 1347 KLINE-3 NE



Ronald J. LeBlanc 2524 Arizona Drive Marrero, Louisiana 70072 (CDT)  
 6-9 Es "in & out all day from 1530" 6-18 Es 2229 WOI-5 Ames, IA 3132R0854  
 6-10 2230 KTCA-2 St. Paul, MN 3022R1052 6-20 1853 YSR-2 El Salvador 3032R1132  
 6-12 2300 YSR-2 El Salvador 3022R1132 2026 XEW-2 Mexico City DF 2122R0917  
 6-13 1900 WUND-2 Columbia, NC 3132R0900 6-24 1356 WPBT-2 Miami, FL 3332R0686  
 2120 KTVS-3 Sterling, CO 4233R1025 1415 WPTV-5 W. Palm Beach FL 3233R0666  
 2121 KWGN-2 Denver, CO 3122R1000 1545 WUND-2 Columbia, NC 3022R0900  
 2158 KMID-2 Midland, TX 2022R0741 1622 WWAY-3 Wilmington, NC 3022R0780  
 6-15 1900 KDKA-2 Pittsburgh 3122R0930 1715 UNID-2, 3 Spanish again  
 1940 WMAR-2 Baltimore, MD 4433R1006 1845 XEW-2 Mexico City, DF 4332R0917  
 2050 KDLO-3 Watertown SD 3022R1112 1959 KUSD-2 Vermillion, SD 3122R0969  
 2100 KTCA-2 St. Paul, MN 3122R1052 2003 KDLO-3 Watertown, SD 3022R1112  
 2147 KOAA-5 Pueblo, CO 2023R1000 2030 KWGN-2 Denver, CO 3022R1000  
 6-16 1221 CKCO-2 Wiarton, Ont. 3232R1125 2059 KTCA-2 St. Paul, MN 3332R1052  
 1500 KWGN-2 Denver, CO 4132R1000 6-26 Tr 0030 KYTV-3 Springfield MO 3145R0542  
 2030 WJBK-2 Detroit, MI 4433R0945 0031 KETS-2 Little Rock, AK 3345R0350  
 6-17 1200 XEW-2 Mexico City 3232R0917 6-27 1702 WCBS-2 New York City 3222R1174  
 1221 XHP-3 Puebla, Pue. 3022R0900 1712 WSYR-3 Syracuse, NY 3122R1190  
 6-18 2159 KTCA-2 St. Paul, MN 3122R1052 1716 WGR-2 Buffalo, NY 3222R1098  
 2159 KDAL-3 Duluth, MN 3032R1169 Tr 2000 to east Texas--Houston, Corpus C/  
 2227 KUSD-2 Vermillion SD 3132R0969 6-29 Es "skip in at 1720" "looks like Cuba"  
 (Total now 292 stn; 33 states; 6 countries) 6-30 1700 KNOP-2 1730 KWGN-2 1800 KTVS-3

Dr. Richard E. Wood 820 Arlington Avenue Baton Rouge, Louisiana 70806 (CLT)  
 "I am finally equipped for TV DX and beginning to enjoy it. I use a single low-band Wine-  
 gard and two horizontally stacked high-band Winegards on a CDR pushbutton/dial rotor atop  
 a 40 foot pole; also a Lafayette 7 foot Parabolic dish at a similar height on a simple  
 CDR rotor. A trap is at time used on the high-band to trap out local WAFB-9. Main TV is  
 a '69 color Motorola. Base of my antennas is at 55ft above sea level. Locals here are 2,  
 9, and 33. ... I will be reporting monthly from now on."  
 3-23 0130 KHOU-11 0135 KTRK-13 Houston, TX 2000 WEAR-3 Pensacola, FL 4-2 Es HRTG-5 Teguc-  
 igalpa, Honduras 1820 YSU-4 San Salvador, El Salvador 6-3 1330 KHAS-5 Hastings, NE 1357  
 KOAA-5 Pueblo, CO 6-6 1215 WDAY-6 Fargo, ND 6-14 1410 TNC-2 Havana, Cuba (WBRZ-2 off the air)  
 6-15 1900 Tr WMAU-17 Bude, MS (seen regularly since dish installed) 8-5 1100 Es WBEN-4 Buf-  
 falo, NY 1900 KUSD-2 Vermillion, SD 1930 KOTA-3 Rapid City, SD 2006 WNEW-5 New York City, NY

James F. Armington Rt. 8 Box 75 Dothan, Alabama (CDT)  
 6-8 Es 1800 KUSD-2 Vermillion SD 5522R1002 6-27 Es 1830 WITI-6 Milwaukee, WI 3432N0850  
 1808 KDLO-3 Watertown, SD 5533R1117 2000 WJMN-3 Escanaba, MI 3422R1000  
 1817 KMTV-3 Omaha, NE 5532R0900 6-30 1830 CKVR-3 Barrie, Ontario 4032N0965  
 1825 KORN-5 Mitchell, SD 5554R1090 7-1 Tr 0045 WTV-9 Chattanooga, TN 2333R0260  
 2000 KLNE-3 Lexington, NE 5544N1036 0641 WDAM-7 Hattiesburg, MS 3333R0260  
 6-11 1230 CKCO-2 Wiarton, Ont 5423R0965 7-7 2200 WHMA-40 Anniston, AL 1233N0175  
 6-12 1230 KNOP-2 N. Platte, NE 4323R1109 7-8 0615 WCBT-4 Columbus, MS 3344N0240  
 6-13 1330 KMID-2 Midland, TX 5545R1000 0620 WVUE-8 New Orleans, LA 3544R0300  
 1400 KFDX-3 Wichita, KS 3522R0790 0625 WAFB-9 Baton Rouge, LA 2344R0350  
 6-18 1227 WBAY-2 Green Bay, WI 5422R0940 0630 WWL-4 New Orleans, LA 3333R0300  
 1228 CKCO-2 Wiarton, Ont 5422R0965 7-13 GW 1415 WDTB-13 Panama City, FL 5555N0070  
 1242 WCBS-2 New York, NY 5522R0890 7-22 Es 1100 WJBK-2 Detroit, MI 5555R0780  
 1330 WSYR-3 Syracuse, NY 5531N0987 1102 WCBS-2 New York, NY 3533R0890  
 (QSL) 1600 KRMA-6 Denver, CO 4423N1240 1530 CKCO-2 Wiarton, Ont. 5555R0965  
 1650 KOAA-5 Pueblo, CO 4323R1221 7-25 1330 CJIC-2 Sault Ste. Marie N1080  
 Tr 2205 WCFT-33 Tuscaloosa, AL 1234N0195 7-26 Tr 2230 WETV-30 Atlanta, GA 1233N0195  
 6-19 Es 1135 CKCO-2 Wiarton, Ont 5421R0965 2230 WHAE-46 Atlanta, GA 2334N0195  
 1227 WMT-2 Cedar Rapids 4333R0840 7-27 Es 1200 KMID-2 Midland, TX 5554R1000  
 1230 KGLD-3 Mason City 3021R0900 1230 KIII-3 Corpus Christi 5433R0765  
 6-24 1145 XEW-2 Mexico City 3323N1202 8-8 Tr 0730 WMAB-2 Ackerman, MS 2333N0245  
 2030 KYCU-5 Cheyenne, WY 4423R1288 Es 1730 WMT-2 Cedar Rapids 5432R0840  
 6-27 1800 WFRV-5 Green Bay, WI 4522R0930 1800 WBAY-2 Green Bay, WI 4032R0940  
 "Not much DX around here in July and August. Logging of channel 13 in Panama City will  
 probably mean I will be saying goodbye to most channel 13 DX. I just recently put up a  
 UHF antenna, but I haven't had a good tropo opening since to try it out."

Morris Sorensen Box 245 Bala, Ontario POC 1A0 (EDT)  
 7-27 Es 1400 KTEW-2 Tulsa, OK N 8-27 Tr 1800 WEWS-5 Cleveland, OH R  
 8-27 Tr 1759 WJW-8 Cleveland, OH N 1801 WTOL-11 Toledo, OH N

Pte. J.A. Markewicz CFB Cornwallis, Nova Scotia (ADT)

"I never put my full address above as by the Thanksgiving weekend, I'll be posted to Quebec. I'm using a 1972 19" Sony with its own antenna. Lots of Es noted but too much semi-local interference on 2-6. I thought Winnipeg was bad with 3 and 6 blocked. One problem noted is the lack of local ID's on the ATV stations. The sign on announcements give the calls and locations of CJCH Halifax; CKCW Moncton; and CJCB Sydney but neglects to give the channels or even locations of the ten repeaters (satellites) of these three stations."

8-22 Tr 1300 CKCW-2	Moncton, NB	3333R	8-23 Tr 1030 WABI-5	Bangor, ME	
1320 CBHT-3	Halifax, NS	2323R	1200 WMED-12	Calais, ME	
1500 CHSJ-4	St. John, NB	4444R	8-24 0835 WSCH-6	Portland, ME	4444R
1800 CJCH-6	Caledonia, NS	4444R	0900 WGAN-13	Portland, ME	4444R
1830 CKCW-9	St. John, NB	4444R	8-25 1000 CHSJ1-6	Bon Accord	
1930 CHMT-7	Moncton, NB	3333R	1130 CBAF-11	Moncton, NB	2222R
8-23 0830 WLBZ-2	Bangor, ME (over CKCW)		1300 CBHT-13	Halifax, NS	
0930 WBZ-4	Boston, MA (over CHSJ)		1600 CBAF-3	Yarmouth, NS	
1000 WENT-7	Bangor, ME (over CHMT)				

David J. Egan 12a Andrew Valleyfield, Quebec J6S B2 (EDT)

"Due to a power failure across Quebec on July 3, channels in Montreal were off the air between 5:50 thru 6:40. Unfortunately, there was no DX around so nothing resulted. However, it is the first time I remember all four Montreal stations off so long. This report is a little shorter than reports have been from me lately. Working as a disc jockey now at a local discotheque so most of my DX is early week or during night. Work on weekends."

7-9 Es 2307 KMOX-4	St. Louis, MO	R0945	8-5 Es 2100 KHTL-4	Superior, NE	R1300
2329 WOI-5	Ames, IA	R1015	0817 KQTV-2	St. Joseph, MO	R1125
7-21 0705 WESH-2	Daytona Beach, FL	R1185	Tr 2310 WXXI-21	Rochester, NY	R0225
0723 WSAV-3	Savannah, GA	R0975	2310 WUTV-29	Buffalo, NY	R0265
Ms 0710 WLND-2	Dayton, OH	R0650	2315 WSEE-35	Erie, PA	R0370
7-22 Es 1117 WJXT-4	Jacksonville, FL	R1100	8-6 Ms 2411 UNID-10	"strong-plus burst on WHEC"	
7-25 Es 1205 WTVY-4	Dothan, AL	R1145	8-10 Es 1304 KARK-4	Little Rock, AK	R1200
1214 WSB-2	Atlanta, GA	R0965	1305 WCB1-4	Columbus, MS	R1120
1230 WRBL-3	Columbus, GA	R1130	1318 WJXT-4	Jacksonville, FL	R1100

"FM's from Birmingham, Jacksonville, and others unidentified. Skip up through FM at peak 1543."

1530 WATE-6	Knoxville, TN	N0835	8-17		
1535 WBRC-6	Birmingham, AL	R1050	8-25		
1600 WMC-5	Memphis, TN	R1100	8-29		
1627 WUNC-4	Chapel Hill, NC	R0700			
1650 WSCS-5	Charleston, SC	R0910			
1729 WECT-6	Wilmington, NC	N0790			
1800 WTAR-3	Norfolk, VA	N0635			
7-28 1319 KARD-3	Wichita, KS	R1340			
1357 WDAF-4	Kansas City, MO	R1115			
7-31 Tr 0111 WGBH-2	Boston, MA	R0250			
0205 WCBB-10	Augusta, ME	N0220			
0148 WENH-11	Durham, NH	R0215			
0257 WMEB-12	Oron, ME	N0265			
0316 CBFT2-3	Mont Laurier, PQ	N0120			
Au 0334 UNID-2,6	"strong to northwest"				
Tr 0437 CFTO-9	Toronto, Ontario	R0290			
8-5 0320 WKBW-7	Buffalo, NY	R0290			
0325 CKTM-13	Trois Rivières, PQ	R1115			
0341 CFTO-9	Toronto, Ontario	R0285			
Es 1100 WNL-4	New Orleans, LA	R1395			
1930 WREC-3	Memphis, TN	R1100			
1939 WTVY-4	Dothan, AL	R1145			

"As of September 1, total received is now 190 with 171 verified. On FM on 7-25 I heard WFAM-91.1 (Jacksonville) and Birmingham, AL at about 106.3 with QRM from WIBK."

John F. Combs 816 W. Harvard Street Orlando, Florida 32804 (EDT)

"This is my first report since joining the WFDX recently. My first experience with TV-DX was 6 or 7 years ago when I picked up KQTV-2, via Es at our summer home in Vermont, but I never took it seriously until about 14 months ago. Total log is now 22 stations from 11 states, Puerto Rico, Canada, and El Salvador. I'm presently saving ... to purchase new DX equipment (Arent we all? dp) ... I'm 15--only significant tropo has been WTOG-11 (245mi)"

5-25 Es 1914 YSU-4	San Salvador	N1110	7-22 Es 1624 WTAE-4	Pittsburgh, PA	R0830
6-4 1722 WKY-4	Oklahoma City, OK	N1075	7-27 1255 KNAB-4	Big Spring, TX	T
6-13 1528 CBOT-4	Ottawa, Ontario	N1235	8-4 1751 WAPA-4	San Juan, PR	N1020
1550 CKG01-2	Georgian Bay, Ont.	N1250	Equip: 1969 Sears 11"BW;	Channel 4 Dipole ant.	



Ken R. Simon 528 Pilgrim Road W. Palm Beach, Florida 33504 (EDT)

6-2 Es	1930	WSYR-3	Syracuse, NY 5431R1190	6-10 Es	1110	WSIL-3	Harrisburg, IL 4421R
6-3	0859	KTVI-2	St. Louis, MO 5442R1020	6-11 GW	1858	WFTV-9	"auxiliary tower-325 ft.)
	0930	KTEW-2	Tulsa, OK 5442R1160	6-12	0730	W64AD-64	"rebroadcasting TVN-6"
	0946	KFDX-3	Wichita Falls, TX 1180	6-13 Es	1710	WSYR-3	Syracuse, NY 5521R
	1100	WGR-2	Buffalo, NY 3321R1100		1700	WBAY-2	Green Bay, WI 4021R
	1110	KDFW-4	Dallas, TX 4542N1040		1730	WPSX-3	Clearfield, PA 5521R
	1030	WBRZ-2	Baton Rouge 4431N0720		1730	CBMT-6	Montreal, Quebec 5021N
	1032	KATC-3	Lafayette, LA 3331R0760		1800	WTAE-4	Pittsburgh, PA 3321R
	1045	KJAC-4	Port Arthur 4521R0840		1817	WWJ-4	Detroit, MI 2221R
	1050	KBTX-3	Bryan, TX 5443R0960		1930	WJAC-6	Johnstown, PA 3021N
	1050	KPRC-2	Houston, TX 5443R0830	6-14 Tr	WBBH-20	WTVX-34	WTOG-44 WXLT-40 5555R
	1100	KIII-3	Corpus Christi R	6-15 Es	2030	KYTV-3	Springfield, MO 4021R
	1300	WJMN-3	Escanaba, MI 3321R1380		2030	KMTV-3	Omaha, NE 0241N
	1305	WBAY-2	Green Bay, WI R1320	Tr	2030	W69AA-69	Hollywood, FL 2455N
	1320	KTVO-3	Ottumwa, IA R1180	6-17 Es	1640	WCBS-2	New York City, NY 4421R
	1725	KETS-2	Little Rock 5532N0900		1640	WPSX-3	Clearfield, PA 4421R
	1900	KQTV-2	St. Joseph, MO 3331R1220		1640	WTIC-3	Hartford, CN 4321R
Tr	2205	WMFE-24	Orlando, FL 2015N0140		1830	WGR-2	Buffalo, NY 0421R
6-4 Es	1620	WKY-4	Oklahoma City N1160		1840	CKVR-3	Barrie, Ontario 4021R
	1700	KPRC-2	Houston, TX 3321R0830		1930	WLWD-2	Dayton, OH 4421R
	1830	KARD-3	Wichita, KS 4421N	6-18	1700	WISC-3	Madison, WI 4421R
	1830	KIII-3	Corpus Christi 2221R		1704	WCIA-3	Champaign, IL 4021R
	2030	KQTV-2	St. Joseph, MO 3331R1220		1705	WTWO-2	Terre Haute, IN 4421R
6-5	1630	WSIL-3	Harrisburg, IL R	6-20	1600	XEW-2	Mexico City, DF 5421R
	1630	KTVO-3	Kirksville, MO 4021R		1600	XHCV-3	Coatzacoalcos, Ver. 4421N
	1632	WHBF-4	Rock Island 2221R1020		1830	KFDX-3	Wichita Falls, TX 4021R
	1645	WCIA-3	Champaign, IL 0221R	6-24	1140	WTIC-3	Hartford, CN 3321R
	1650	WTWO-2	Terre Haute, IN 0221R		1200	WCBS-2	New York City, NY 3321R
	1735	WSYR-3	Syracuse, NY 4421R		1230	CKOI-2	Wiaraton, Ontario 5542R
	1805	KYW-3	Philadelphia, PA 3421R		1230	WSYR-3	Syracuse, NY 4421R
	1815	WWJ-4	Detroit, MI 3341N		1427	KPRC-2	Houston, TX 4421R
	1905	WTAE-4	Pittsburgh, PA 4421N		1440	KGBT-4	Harlingen, TX 4421R
	1814	WFIL-6	Philadelphia, PA 4421N		1445	KIII-3	Corpus Christi, TX 4421R
	1907	WRTV-6	Indianapolis, IN 2321N		1445	KBTX-3	Bryan, TX 4321R
	1910	WKYC-3	Cleveland, OH 3321R		1510	KDFW-4	Dallas, TX 3321R
	1918	WOC-6	Davenport, IA 2121N1020		1600	WABG-6	Greenwood, MS 4421N
	1920	WITI-6	Milwaukee, WI 2221N1020		1630	WPSD-6	Paducah, KY 3321N
	2230	WBBM-2	Chicago, IL 4421R		1637	WRTV-6	Indianapolis, IN 4532R
	2300	WCIA-3	Champaign, IL 5523R		1730	WJIM-6	Lansing, MI 4421R
	2301	WTWO-2	Terre Haute, IN 4423R		1810	CKOI-2	Wiaraton, Ontario 4421R
6-6	0713	KYTV-3	Springfield, MO 5521R	6-27	1812	WJBK-2	Detroit, MI 4421R
	0725	WBRZ-2	Baton Rouge, LA 5521R	6-29	1730	WTIC-3	Hartford, CN 4421R
	0730	KTBS-3	Shreveport, LA 4021R	6-30 Tr	0135	WJXT-4	Jacksonville, FL 2025R
	1710	WCAX-3	Burlington, VT N1320		0203	WLTV-12	Jacksonville, FL 1015N
	1825	WSYR-3	Syracuse, NY 4421R		0845	WJKS-17	WMFE-24 WTVX-34 WXLT-40
	1827	WKTU-2	Utica, N 3421N	Es	1400	WGBH-2	Boston, MA 5021R
	1830	CBFT-2	Montreal, Quebec 2421N		1417	WTIC-3	Hartford, CN 4321R
6-8 GW	0700	W64AD-64	"rebroadcasting CMQ"		1720	CKVR-3	Barrie, Ontario 4421R
Es	1900	KGLO-3	Mason City, IA 3321R	7-4	1030	KTVI-2	St. Louis, MO 5421R
	1905	WMT-2	Cedar Rapids 3321R	7-7	2330	WCIA-3	Champaign, IL 5321R
	1920	KTVO-3	Kirksville, MO 3321R	7-8	1955	KTBS-3	Shreveport, LA 4021R
	2358	WDBO-6	Orlando, FL 4433R		2030	KPRC-2	Houston, TX 4221R
"about 12 hrs. after			collapse of tower of		2203	KATC-3	Lafayette, LA 4121R
WDBO-6, WFTV, and			WDIZ-FM Orlando, FL"	7-9	1615	KIII-3	Corpus Christi, TX 4221R
6-9 Es	1000	KQTV-2	St. Joseph, MO 3321R				"NET 8-first logging with 'Televisa Logo' I'm
	1110	KTVI-2	St. Louis, MO 3421R				guessing on stations within 700-1250 limit."

Paul D. Traska 64 Weaver Street Buffalo, New York 14206 (EDT)

6-6 Es	1830	KPOL-6	Reliance, SD 4433N	8-5 Tr	2100	WTVS-58	Detroit, MI 4444R
6-11	1305	WBAP-5	Ft. Worth, TX 4333N		2100	WKBD-50	Detroit, MI 4444R
7-7 Tr	0300	WLS-7	Chicago, IL 3333N		2115	WGTE-30	Toledo, OH 4444R
7-26	0135	CHNB-4	North Bay, Ont 4433N	8-6	1930	WIPB-49	Muncie, IN 3333R
7-31	0230	WNEW-5	New York City 3333R		2000	WEYI-25	Saginaw, MI 4444R
	0230	WABC-7	New York City 3333R		2000	WLIO-35	Lima, OH 3333R
	0230	WCBS-2	New York City 3333R				[Paul's log now totals 203 with 4 new this
8-5	2100	WBGU-57	Lima, OH 4444R				time. Philco 68 RCA 72; CMA 34 ele. amp.]

# CENTRAL TV DX

Don Ruland  
4448 68th Place  
Kenosha, WI  
53140

OCTOBER 1973 / DX from WI, IL, IN, MI, OH / Next deadline: October 15th

As summer and E-skip CX begin to wind down, things traditionally start popping tropo-wise in the Great Lakes states. This year is no exception, and our annual August-October filing appears to be off to a great start, as evidenced by this month's reports.....

James H. Gould, R. R. #3, Kokomo, IN 46901 (CDF)

7-7 Tr 1550 KROC-10 Rochester (405)	8-22 Tr 0555 KNOE-8 Monroe (650)
1600 KIIN-11 Des Moines (390)	0607 KTHV-11 Little Rock (520)
1600 KCRG-9 Cedar Rapids (300)	0610 WLB-3 Jackson (620)
1710 KWVL-7 Waterloo (340)	0621 WHO-13 Des Moines (390)
1730 KIIN-12 Ia. City (280)	0633 KMBC-9 Kansas City (460)
7-8 Tr 0055 CHEX-12 Peterborough	2218 WBIR-10 Knoxville (340)
0055 CHCH-11 Hamilton (375)	0415 WBIR-10 Knoxville
0112 CFTO-9 Toronto (405)	0425 WBRC-6 Birmingham (470)
0121 KCO-13 Kitchener (350)	0430 WIIC-11 Pittsburgh (320)
0125 CPPL-10 London (305)	0445 WTAJ-10 Altoona (425)
0308 WHTN-13 Huntington (245)	0533 KLFY-10 Lafayette (790--
7-10 Tr 0750 CHHT-3 Halifax	longest tropo seen--ed.)
7-12 Tr 2030 WBIR-10 Knoxville (340)	0600 KTHV-11 Little Rock (520)
7-13 Tr 0642 WSL-10 Roanoke	8-25 Tr 1330 KROC-10 Rochester
0645 WMUL-33 Huntington	1330 KCRG-9 Cedar Rapids
7-15 Es 1600 WPBT-2 Miami	1450 KIIN-12 Iowa City
GW 2200 WCAB-50 St. Johns, IN	1450 KIIN-11 Des Moines
8-19 Tr 0130 KIIN-12 Iowa City	1700 WAEO-12 Rhinelander (375)
8-20 " 0700 WHO-13 Des Moines (390)	8-26 Tr 1245 KROC-10 Rochester
0700 WMTV-3 Madison (235)	1250 KELO-11 Sioux Falls (600)
0700 KROC-10 Rochester	1310 KMEG-14 Sioux City (540)
0700 KEYC-12 Mankato (470)	1315 WOI-5 Ames (410)
8-21 " 0630 KMBC-9 K. C. (460)	1320 KEYC-12 Mankato (470)
0655 KEYC-12 Mankato	1328 WTCN-11 Minneapolis (480)
0657 KOLR-10 Springfield (445)	1405 KVF-21 Ft. Dodge (430)
0700 KODE-12 Joplin (520)	1405 KDSB-16 Aberdeen-Tent. (700)
0710 WHO-13 Des Moines (390)	8-27 Tr 0557 WTCN-11 Minneapolis (480)

Jim reports he is hoping to replace his present antenna system. He currently uses a 7' Channel Master dish for UHF with Channel Master UHF pre-amp, atop a 95' tower. For VHF, Jim hopes to add a quad-array (Channel Master "Quantum") which will be boosted by a Winegard AC-913 amp. A Conrac model 1021-C audio-video receiver is on order to round out the system. (Your results are pretty impressive now, Jim....the new system sounds like we'll be hearing a lot from you in the future...ed.). Log "over 270".

David Janowiak, 3661 S. 46th St., Greenfield, WI 53220 (CDF)

6-6 Es 1800-CKCK-2 Regina	7-8 Tr 0530-WUAB-43 Lorain
2300 KDX-2 Dickinson	0700 WAKR-23 Akron
CKEI-5 Prince Albert	CFTO-9 Toronto
CFTK-3 Terrace, B.C. T	WLYH-15 Lebanon, Pa. T
CJDC-5 Dawson Creek T	WKBF-61 Cleveland
CKOS-3 Yorkton	WDHO-24 Toledo
CJFB-5 Swift Current	WSEE-35 Erie
CKMT-4 Moose Jaw	WDAU-22 Scranton (650+)
CKSA-2 Lloydminster	WBRE-28 Wilkes-Barre (650+)
CBXT-5 Edmonton	7-10 Es 0740 WLEZ-2 Bangor
CFQC-1-3 Stranraer Sask.	0750 CBHT-3 Halifax
7-2 Tr p.m. WBGU-57 Bowling Green	0800 WUAX-3 Burlington, VT
7-7 Tr a.m. WSEE-35 Erie (400)	0800 CBFT-2 Montreal
2230-WENY-36 Elmira (600+)	1130 CKSA-2 Lloydminster,
2400 WSEE-35 Erie	7-17 Tr 0623 W71AE LaSalle, IL
WICZ-40 + WBA-34	
Binghamton (600+)	
WUTV-29 Buffalo	
WYTV-33 Youngstown	
CHLT-25 Toronto	

Dave summarizes the 6-6 Es opening as "the most enjoyable in many years.... haven't DXed from 7-17 to 8-10 due to vacation, illness in family, work, etc.....log at 425".



Marvin Shults, R. R. #2, Toulon, IL 61483 (CDT)

8-13 Tr 0815	WISH-8 & WLWI-13	8-21 Tr 1930	WHMB-40 Indianapolis
	Indianapolis	1930	WIPB-49 Muncie
0825	WUHQ-41 Battle Creek	8-26 Tr 1030	WKJG-33 Fort Wayne
0850	WKBD-50 Detroit	2100	WDHO-24 & WGTB-30 Toledo
0855	WTVS-56 Detroit	2100	WUHQ-41 Battle Creek
0859	WKJG-33 & WFTA-21	2100	WIPB-49 Muncie
	Fort Wayne	2130	WKBD-50 & WTVS-56 Detroit
8-17 Tr 0915	WOSU-34 Columbus T	2130	KVPD-21 Fort Dodge, IA
0658	WHO-13 & KRNT-3	2130	KMEG-14 Sioux City
	Des Moines	2130	WPNE-38 Green Bay
0700	KEYC-12 Mankato, MN	2130	WILL-38 Terre Haute
8-19 Tr 1000	KFVS-12 Cape Girardeau	2159	WGVC-35 Grand Rapids
8-20 Tr 2030	WUSI-16 Olney, IL	2200	WAKR-25 Akron T
2100	KMTC-27 Springfield, MO	8-27 Tr 0759	WDHO-24 Toledo
2158	KMAA-41 Kansas City	0759	WFIE-14 Evansville
2200	KROC-10 Rochester	0825	WUHQ-41 Battle Creek
2200	KDIN-11 Des Moines	0858	WKJG-33 Fort Wayne
2215	KCBJ-17 Columbia, MO	0859	WUAB-43 Lorain, OH
2229	KHNE-29 Hastings, (448)	0900	WKBD-50 & WTVS-56 Detroit
2300	KRCG-13 Jefferson City	1029	WGTV-29 Traverse City
8-21 Tr 0659	KTSB-27 Topeka	8-28 Tr 0645	KEYC-12 Mankato
1845	WILL-38 Terre Haute	0650	WFIE-14 Evansville
1850	WFIE-14 Evansville	0659	WKBT-8 LaCrosse, WI
1858	KMTC-27 Springfield	8-29 Tr 0727	WKJG-33 Fort Wayne
1858	KCBJ-17 Columbia		
1900	WVUT-22 Vincennes, IN		Three new UHF's bring log to 267...

Keith Schildt, 2833 N. Jackson Dr., Arlington Heights, IL 60004 (GDT)

7-3 Tr 0900	WJIM-6 Lansing (208)	7-21 Tr 1200	WOTV-8 Grand Rapids (176)
7-16 Tr 2200	WWS-10 Milwaukee (93)	8-3 Tr 1645	WUHQ-41 Battle Creek (159)
7-21 Tr 0800	WKZO-3 Kalamazoo (139)	1735	WZZM-13 Grand Rapids

Present log at 25....Keith has been a member for over a year, but faces much difficulty in getting through the Chicago locals...equipment includes 1965 Zenith with all channel antenna...would like to hear from other DXers in Chicago area.

Paul E. Petoaky, Box 140, Munising, MI 49862 (BDT)

1-20 Tr 2300	CHLT-5 Toronto (395)	6-12 Tr 0130	CFTO-9 Toronto (395)
5-23 Es 2300	WESH-2 Daytona (1230)	6-21 Es 1929	WPMY-2 Greensboro (800)
5-25 Es 2000	WLBB-2 Bangor (865)	7-12 Tr 2400	WLS-7 Chicago (315)
5-27 Es 1200	WCBS-2 New York (740)	7-12 Tr 2028	CKPR-2 Thunder Bay (170)
	1930 WUND-2 Columbia, NC (905)	2300	CHLAT-1-8 Manitowadge
5-28 Es 1842	WFBC-4 Greenville (825)	2300	CHLAT-3-9 Wawa, ONT (140)
	1850 WAGA-5 Atlanta (880)	2330	CHLAT-4-11 Marathon, ONT
6-3 Tr 0225	WNEM-5 Bay City (240)	2330	CHLAT-13 Geraldton (229)
6-5 Es 1914	WBRZ-2 Baton Rouge (1130)	7-13 Tr 0032	WZZM-13 Grand Rapids (240)
6-6 Es 1859	KTVG-6 Dodge City (905)	7-17 Tr 0020	TTW-11 Chicago (315)
	1928 KHTL-4 Superior, NE (720)	0035	WGN-9 Chicago
	2028 CKCK-2 Regina (890)	2355	CKRS-12 Jonquiere, QUN (730)
	2056 WNL-4 New Orleans (1155)	7-23 Es 1925	WCVB-5 Boston (810)
	1929 CKKT-2 Great Bend (835)	7-24 Tr 2330	WOTV-8 Grand Rapids (240)
	2228 KTEW-2 Tulsa (850)	7-27 Es 2334	CKCK-2 Regina (890)
	2315 KHLB-4 Dallas (1080)	7-29 Tr 0144	WFTT-12 Flint (275)
	2321 WBAP-5 Ft. Worth (1100)	Es 0247	CKSA-2 Lloydminster (1150)
	2329 KPHO-5 Phoenix (1600)---	8-5 Au 0100	CKCK-2 Regina (890)
	not P2, Paul, but maybe 2-hop)	0054	KOA-4 Denver (1030)
6-7 Es 1225	KTVG-2 Billings (1045)	0105	KTWO-2 Casper (990)
	1220 KXLF-4 Butte (1230)	Es 1831	KWGN-2 Denver
	1248 KPBB-5 Great Falls (1160)	1929	KTWO-2 Casper
6-8 Es 2200	WBAP-5 Fort Worth	Tr 0142	WABO-12 Rhinelander (140)
	2206 KDFW-4 Dallas	8-13 Tr 2330	CHLAT-2-12 White River
6-9 Tr 0140	WSAU-7 Wausau (170)	8-26 Tr 2155	WCCO-4 Minneapolis (328)
6-10 Es 2300	KTEW-2 Tulsa (850)	2215	WTCN-11 Minneapolis
	2300 KGNC-4 Amarillo (1100)	2230	KTSP-5 St. Paul (326)
	2330 WKY-4 Okla. City (950)	2326	WOC-6 Davenport (355)
	2335 KMID-2 Midland (1305)	8-27 Tr 0030	Chicago-Milwaukee VHF's

Petosky (continued)

8-27 Tr 0150 WISC-3 Madison (274)  
 8-28 Tr 0055 WEAU-13 Eau Claire (260)  
 9-3 Tr 0350 WMT-2 Cedar Rapids (400)

Paul has been TV DXing since 1954...he says "I don't want to throw anybody, but I am near 2,000 TV stations logged...total includes stations that are now off the air, or have changed call letters." Equipment includes a 20" Admiral 1968 color receiver, Channel Master model 1210-B color-vector VHF/FM antenna at 60' with a model 0043 Channel Master pre-amp and CDE rotor. Paul's log totals do not include UHF, but he hopes to add some stations here as he has a Channel Master 7' dish atop his tower, and is planning on adding a Channel Master 0070 UHF amp this fall. Paul, I know the rest of the members would like to know just how you count your loggings...e.g., do you count your stations more than once as you receive them again???

Roger H. Brown, 1617 Linden St., E. Lansing, MI 48823 (BDT)

8-21 Tr 1325 KINL-30 St. Louis (410)	8-26 Tr 0245 WQAD-8 Moline (340)
1325 WICS-20 Springfield (340)	1620 WTCN-11 Minneapolis
1715 KCBJ-17 Columbia (480)	1620 KMSP-9 Minneapolis (470)
1730 KRCG-13 Jeff City (490)	2310 KMEG-14 Sioux City (595)
1800 KETC-9 St. Louis (410)	2359 KCRG-9 Cedar Rapids
1900 WAND-17 Decatur (300)	8-27 Tr 0005 KVFD-21 Ft. Dodge (480)
8-22 Tr 0045 WKYT-27 Lexington (330)	0014 KXNE-19 Norfolk (630)
0045 WLEX-18 Lexington	0017 WKOW-19 LaCrosse (380)
8-23 Tr 0015 KINL-30 St. Louis	0020 WOC-6 Davenport (350)
0015 WICS-20 Springfield	0220 WCCO-4 Minneapolis (470)
0025 WDXR-29 Paducah (450)	0730 WTCN-11 Minneapolis
0045 WTIU-30 Bloomington (260)	1320 CICA-19 & CHLT-25 ONT
0045 KETC-9 & KPLR-11 St. Louis	1320 WUTV-29 Buffalo (290)
0830 WHNT-19 Huntsville (560)	2100 WNED-17 Buffalo
0830 WMSL-48 Decatur, AL (560)	2100 WNPE-16 Watertown (420)
0830 KINL-30 St. Louis (410)	2155 WSYE-18 & WENY-36 Elmira
1940 WOUC-44 Cambridge (270)	9-7 Tr 2200 WTCN-11 Minneapolis
1940 WCUB-20 Athens, OH	2200 WEAU-13 Eau Claire
1940 WMUL-33 Huntington (330)	9-8 Tr 0050 WSVN-47 Norton (420)
1940 WHIZ-18 Zanesville	0100 WKPT-19 Kingsport (410)
1940 WTAP-15 Parkersburg	0125 WDBJ-7 Roanoke (410)
8-26 Tr 0005 KDUB-40 Dubuque (300)	0200 WKII-12 Winston-Salem (500)
0030 WAEQ-12 Rhinelander (310)	0230 WSL-10 Roanoke (410)
0045 KROC-10 Rochester (420)	0400 WAVY-10 Norfolk (600)

Your persistence really paid off on 9-8, Rog...Norfolk, VA to Lansing is a very difficult path, directly in line with the Allegheny mountains. Rog reports installation of his new Blonder-Tongue CMA-Ub UHF pre-amp as of 9-10-73...very noticeable improvement over CMA-U. Log stands at 407.

Bill Draeb, Ellis St., R. R. #2, Kewaunee, WI (GUT)

6-10 Es 2227 KLINE-3 Lexington, NE (669)	6-15 Tr 0540 CHCH-11 Hamilton (394)
2227 KGNC-4 Amarillo (991)	0546 WBNS-10 Columbus (395)
2230 KOA-4 Denver (952)	Es 2024 WOAI-4 San Antonio (1213)
2230 KRMA-6 & KWGN-2 Denver	2059 KCPX-4 Salt Lake (1264)
6-11 Es 1131 KBTX-3 Bryan, TX (1079)	6-18 Es 2223 KPRC-2 Houston (1117)
1131 WWL-4 New Orleans (1028)	2223 KGBT-4 Harlingen (1450)
1140 KIII-3 Corpus (1295)	6-24 Es 2102 KJAC-4 Pt. Arthur Tent.
1230 KMID-2 Midland (1176)	2102 KMID-2 Midland T
1330 WWAY-3 Wilmington (882)	6-25 Tr 0547 CKCO-1-2 Warton (315)
1334 WCBF-2 & WCIV-4 Charleston	MS 0556 WKTV-2 Utica (620)
6-12 Tr 2033 W68AA Danville (300)	6-26 Es 1026 KALB-5 Alexandria (961)
6-13 Es 1600 WESH-2 Daytona (1130)	1026 WBRZ-2 Baton Rouge (1005)
1600 WPBT-2 Miami (1372)	1026 KATC-3 Lafayette (1026)
1600 WTVJ-4 Miami	6-26 Tr 0552 CKCO-1-2 Warton, ONT
1602 WEDU-3 Tampa (1192)	MS 0552 WKTV-2 Utica
1659 WCIX-6 Miami	6-27 Es 1800 WCIX-6 Miami (1372)
1659 WDBO-6 Orlando (1164)	1800 WWAY-3 Wilmington
1700 WPTV-5 Palm Bch. (1305)	1800 WJXT-4 Jacksonville (1039)
1702 WUFT-5 Gainesville (1075)	2035 WUNC-4 Chapel Hill (749)
1801 KBTX-3 Bryan (1079)	2040 WNBC-4 New York (740)



Draeb (continued)

6-27 Es	2040 WGBH-2 Boston (840)	8-21 Tr	0543 KOMU-8 Columbia (450)
	2100 WEAR-3 Pensacola (986)		0546 KPLR-11 St. Louis T
	2100 WCBH-2 Charleston		1704 WVVU-24 Morgantown (513)
	2127 WHIQ-2 Dozier, AL (925)		1704 WKSO-29 Somerset (538)
7-3 Tr	2302 WUTV-29 Buffalo (445)		1704 WSVN-47 Norton (610)
7-5 MS	0547 WKTU-2 Utica (620)		1704 WOUB-20 Athens, OH (453)
	0553 WLBZ-2 Bangor (925)		1905 WTVK-26 Knoxville (626)
	Tr 0547 CKCO-1-2 Warton, Ont.		1910 WMUL-33 Huntington (498)
7-6 Tr	0615 CKCO-1-2 Warton		1920 KCBJ-17 Columbia (450)
7-7 Tr	1825 WBBR-28 W-Barre (630)		1920 KMTC-27 Springfield (589)
	1825 WMUL-33 Huntington (498)		2010 WGSF-31 Newark, OH (395)
	1825 WUTV-29 Buffalo (445)		2033 WKPT-19 Kingsport T
	1853 WDAU-22 Soranton (630)		2033 WHNT-19 & WHIQ-25 Huntsville T
	1853 WNED-17 Buffalo		2044 WWSL-48 Decatur, AL (685)
	1853 WENY-36 Elmira (575)		2132 WGBB-53 Bowling Grn. (530)
	1914 WKBS-48 Phila. (705)		2210 WILL-12 Urbana (300)
	1945 WHNE-30 N. Britian (767)	8-22 Tr	0615 WHBF-13 Memphis (665)
	2025 WCVN-54 Covington (405)		0615 KPVV-12 Cape Girardeau
	2037 KEMA-41 Kansas City (525)		0615 KCRG-9 Cedar Rapids
	2037 KCBJ-17 Columbia (450)		0622 WGBM-10 Quincy (373)
	2139 WSVN-47 Norton (610)		0622 WAAV-31 Huntsville (685)
	2139 WLVT-39 Allentown Tent.		0645 WBMG-42 Birmingham (768)
	2139 WPHL-17 Phila. T		0645 WWSL-48 Decatur (685)
	2139 WTAF-29 Phila. T		0645 WHNT-19 Huntville (685)
	2139 WICZ-40 Binghamton T		0718 WMAA-29 Jackson (865)
	2139 WNUJ-47 Newark T		0719 WNAV-18 Oxford, MS (715)
	2139 WNYC-31 New York T		0719 WMAO-23 Greenwood (781)
7-8 Tr	0830 WKBS-48 Philadelphia		0719 WMAU-17 Bude, MS (925)
	0830 WTAF-29 Phila. (705)		0719 WMAW-14 Meridian Tent.
	0830 WERE-28 Wilkes-Barre		0719 WMAH-19 Biloxi Tent.
	0830 WRAU-22 Soranton (630)		0810 WTVV-9 Tupelo (719)
	0830 WNEP-16 Soranton		0839 WBBT-33 Baton Rouge (1002)
	0849 WENY-36 Elmira (575)		0839 WGNB-26 New Orleans (1030)
	0913 WVIA-44 Soranton (630)		0920 WAPT-16 Jackson (865)
Es	1908 WGBH-2 Boston (830)		0940 WVUE-8 New Orleans (1030)
(preceding report 6-10 through 7-8 was delayed in transfer of this column...sorry for delay, Bill)			
8-10 Es	1130 WTAR-3 Norfolk (785)		1000 WAFB-9 Baton Rouge (1002)
	1130 WCBH-2 & WCIV-4 Charleston		1000 KNOB-8 Monroe (877)
	1230 WSAV-3 Savannah (933)		1200 KCBJ-17 Columbia (450)
	1242 WCSC-5 Charleston (916)		1800 WSIU-8 Carbondale, IL (481)
8-12 Tr	2130 W68AA Danville (300)		1822 WKSO-29 Somerset (538)
8-13 Tr	0538 CKCO-1-2 (315)		1837 WSVN-47 Norton (610)
8-14 Tr	1708 KTSB-27 Topeka (560)		1837 WUNF-33 Asheville Tent.
	1842 KMTC-27 Springfield (589)		1847 WTVK-26 Knoxville (626)
	2043 WDSB-8 Duluth (286)		1856 WKPT-19 Kingsport
	2205 WDAZ-8 Devils Lake (600)		1908 WKPI-22 Pikeville Tent.
	2205 WDIO-10 Duluth		1908 WMUL-33 Huntington T
	2257 KDSD-16 Aberdeen (538)		1921 WTCG-17 Atlanta T
	2323 KCMT-7 Alexandria (394)		1934 WKMA-35 Madisonville
8-19 Tr	2048 WDSB-8 Duluth		1934 WGBB-53 Bowling Green
8-20 Tr	0545 CKCO-1-2 Warton		1934 WDXR-29 Paducah (522)
	1907 WDSB-8 Duluth		2057 WKYH-57 Hazard Tent.
	2104 CJIC-2 Small Ste. Marie		2057 WKON-52 Owenton
	2148 CKPR-2 Thunder Bay T		2030 WHIQ-25 Huntsville (685)
	2318 KOMU-8 Columbia (450)		2158 WFIQ-36 Florence, AL T
	2318 KCBJ-17 Columbia	8-24 Tr	2028 KETC-9 St. Louis (432)
	2318 KMTC-27 Springfield		1611 CBSST-3-12 Elliot Lake (270)
	2318 KEMA-41 Kansas City		1840 KKNX-8 Wingham, Ont. T
	2318 KUHI-16 Joplin (633)		1902 KTSB-27 Topeka (560)
	2345 KRCJ-13 Jeff City (477)		1902 KEMA-41 Kansas City (525)
8-21 Tr	0530 KPVV-12 Cape Girardeau		1902 KHNE-29 Hastings (617)
	0530 WHIO-7 Dayton (368)		1905 KMEG-14 Sioux City (463)
	0530 WBNS-10 Columbus (395)		1905 KCPT-19 Kansas City (525)
MS	0537 WLBZ-2 Bangor (925)		2020 KVFD-21 Port Dodge (365)
	0538 WKTU-2 Utica (620)		2020 KCBJ-17 Columbia
			2029 KYNE-26 Omaha (481)
			2102 KXNE-19 Norfolk, NE Tent.
		8-25 Tr	0730 KCBJ-17 Columbia

Draeb (continued)

8-25 Tr	1111 KHNE-29 Hastings (617)	8-26 Tr	1606 KGLO-3 Mason City
	1702 WUTV-29 Buffalo Tent.		1606 KAUS-6 Austin, MN (275)
	2124 KMEG-14 Sioux City (463)		1806 WSVN-47 Norton (610)
	2130 KBMA-41 Kansas City (525)		1817 WKSO-29 Somerset Tent.
8-26 Tr	0849 WDXR-29 Paducah (522)	8-27 Tr	2046 WUTV-29 Buffalo
	0849 W7LAE LaSalle, IL		2046 WNED-17 Buffalo
	0930 WGEN-10 Quincy (373)		2105 CICA-19 Toronto (410)
	0930 KFVS-12 Cape Girardeau		2110 CBLT-25 Toronto (410)
	1100 KMEG-14 Sioux City (463)		2117 CITY-79 Toronto (410)
	1100 KRNT-8 Des Moines		2132 WUOC-44 Cambridge
	1207 KTSP-27 Topeka (560)		2139 WNPE-16 Watertown T
	1606 KDSD-16 Aberdeen (538)		2147 WGSF-31 Newark, OH
	1606 KVFD-21 Fort Dodge (365)	8-28 Tr	0616 CHCH-11 Hamilton (394)
	1606 KTCA-2 St. Paul (280)		

If the preceding report seems long, consider the fact that I have omitted Bill's almost daily scatter reception of UHF stations from Lexington, Louisville, St. Louis, Cleveland, Cincinnati, Columbus, Erie, Illinois, Indiana ---at distances from 300 to 500 miles! Bill says the opening the morning of 8-22 was the best he'd ever experienced, with the New Orleans and Baton Rouge (1000 miles plus) stations snowfree.....that may well be the best tropo ever worked by a midwest DXer. Log stands at 546.

Rod Luoma, 38540 Five Mile Rd., Livonia, MI 48154 (EDT)

6-18 Es	1500 KATC-3 Lafayette (970)	8-27 Tr	2235 WSYB-18 Elmira (315)
8-4 Es	1100 unID-3 S-W		2235 WBJA-34 Binghamton (380)
8-5 Es	2040 unID ch 2,3,5 West		2235 WENY-36 Elmira
8-15 Tr	0550 CKGO-1-2 Warton (200)		2235 CKGO-13 Kithener
8-23 Tr	2140 WGVG-35 Grand Rapids		2250 South Bend UHF's
	2140 Erie, Youngstown,		2250 WFLD-32 Chicago
	South Bend UHF's		2310 WISN-12 Milwaukee (230)
	2140 WFLD-32 Chicago (240)		2350 WSNS-44 Chicago
8-27 Tr	2200 WSKG-46 Binghamton (380)		2350 WUTV-18 Milwaukee
	2200 WICZ-40 Binghamton	8-28 Tr	0020 WUOC-44 Cambridge (180)
	2200 CICA-19, CBLT-25,		0840 WBRN-28 Wilkes-Barre (400)
	CITY-79 Toronto (220)		0920 WNPE-16 Scranton (400)
	2200 WUTV-29 Buffalo		1000 WVIA-44 Scranton (400)
	2220 CHEX-12 Peterborough	8-29 Tr	0001 WLPI-18 Lafayette (240)
	2220 CBLT-5 Toronto T		0030 WKBF-22 Dayton (190)

"Log now stands at 250 with 119 UHF. On 7-24 the old Channel-Master Crossfire was retired after many years of service to be replaced with a C-M Quantum #1111 with much better front-to-back ratios, esp. on lo-band."

Gary A. Olson, 1203 Kenton Rd., Deerfield, IL (CDT)

3-24 Tr	1100 WBGU-57 Bowling Green	8-23 Tr	0545-WLWI-13 Indianapolis (195)
5-23 Es	1955 KFDD-3 Wichita Falls (800)		0645 KFVS-12 C. Girardeau (350)
	2000 KACE-3 San Angelo (1000)		WAAV-31 Huntsville (520)
5-25 Es	1925 unID ch 2-3		WMSL-48 Decatur (520)
6-6 Es	1849 CKOS-3 Yorkton (1150)		WMUL-33 Huntington T
	1900 CKNT-4 Moosejaw (1010)	8-26 Tr	0550-WHIO-7&WKEF-22 Dayton
6-13 Tr	0700 W49AA Springfield (180)		0700 KPLR-11 St. Louis (300)
	0700 WHDH-24 Toledo (240)		WLKY-32 Louisville (300)
	0700 WAND-17 Decatur (170)		WXIX-19&WRC-12 Cincy
6-18 Es	2130 KATC-3 Lafayette (860)		WXON-20 Detroit (280)
6-24 Tr	2135 WILH-38 Terre Haute (190)		WEHT-25 Evansville (280)
	2200 W68AA Danville (140)	1330	WEAU-13 Eau Claire (255)
7-3 Tr	2230 Cleveland, Erie,		KEYC-12 Mankato
	Youngstown UHF's		KWWL-7 Waterloo
7-12 Tr	2000 WTVK-26 Knoxville (465)		1345 KMEG-14 Sioux City (440)
	2030 WFIE-14 Evansville (280)		1800 WABO-12 Rhinelander
	2030 WEHT-25 Evansville T		2100 K74CZ Winona, MN (215)
8-12 Tr	2100 Cleveland, Detroit,		2126 W69AB Darlington, WI (125)
	Muncie UHF's		2200 W67AC Darlington, WI (125)
8-22 Tr	2200 WMSL-48 Decatur, AL (520)		2205 WLIO-35 Lima (240)
	2200 WHNT-19 Huntsville (520)		2215 K79BK Fairmount, MN (340)
	2200 WAAV-31 Huntsville T		2225 K7OCL Ft. Dodge, IA (325)



Olson (continued)

8-26 Tr 2230 Cleveland, Detroit U's 8-27 Tr 0500 Detroit VHF's (250)  
 2250 K75GJ Redwood Falls (385) 0540 WHEH-25 Evansville (280)  
 2305 WIXI-19 Cincinnati (280) 0545 WWUP-10 Ste. St. Marie (340)  
 2329 -58--unID KDUB-40 xlr 1900 W7LAE LaSalle, IL (85)  
 8-27 Tr 0450 CKLW-9 Windsor (260) 8-28 Tr 1835 W7LAE LaSalle  
 0450 WIIC-11 Pittsburgh (410) 1835 K7LCE Ottumwa, IA (245)

"Am sure I missed a lot the last few months due to the increasing demands of new job. Also, skip is generally overlooked if 'the same old stuff' seems to be in. It gets harder all the time to see new skippers since we are saturated with locals (you're telling me!--ed)." Congrats on logging all those translators, Gar....it just goes to show what a lot of us may miss by not taking the time to check up in the translator channels. Logs:374.

Don Ruland, 4448 68th Place, Kenosha, WI 53140 (CMT)

8-12 Tr 0550 WKEP-22 Dayton (280) 8-23 MS 0502 WJXT-4 Jacksonville (920)  
 0550 WIXI-19 Cincy (300) Tr 0523 WSIX-8 Nashville (450)  
 0600 WTVN-6 & WENS-10 Columbus 0527 KPVS-12 Cape Girardeau  
 0623 WKEP-61 Cleveland (330) 0533 WAVE-3 & WHAS-11 Louisville  
 1000 KRNT-8 Des Moines (310) 0545 WHEH-25 Evansville (320)  
 8-13 Tr 0437 WKYC-3 Cleveland (330) 0600 WHNT-19 Huntsville (550)  
 0500 WCPQ-9 Cincy (300) 0610 KTHV-11 Little Rock (600)  
 0500 WENS-10 Columbus (320) 0612 WHBQ-13 Memphis (530)  
 0526 WHAS-11 Louisville (330) 8-25 Tr 2000 KMEG-14 Sioux City (430)  
 0630 WILKY-32 Louisville 2100 KDMN-11 Des Moines (310)  
 0700 WLEX-18 & WYTT-27 Lexington 2100 KDSD-16 Aberdeen Tent.  
 8-19 Tr 0523 WUAB-43 Lorain (310) 8-26 Tr 0503 WLUC-6 Marquette (280)  
 0523 WAKR-23 Akron (340) 0555 KPVS-12 Cape Girardeau  
 0545 WTVN-6 Columbus (320) 0623 WTVW-7 Evansville  
 0620 WKEP-61 Cleveland 0627 KSTP-5 St. Paul (310)  
 0629 KPVS-12 C. Girardeau (370) 0638 W49AA Springfield (220)  
 0630 WTVW-7 Evansville (320) 0830 KMEG-14 Sioux City (430)  
 0700 KPLR-11 St. Louis (300) 0845 WHO-13 Des Moines  
 0900 KEMA-41 Kansas City T 0930 KGIN-11 Grand Island (550)  
 0930 KINL-30 St. Louis 1000 KEYC-12 Mankato (330)  
 1800 Indianapolis U's (220) 1200 KAUS-6 Austin, MN (270)  
 1800 WIPB-49 Muncie (210) 1230 KELO-11 Sioux Falls (450)  
 8-20 MS 0457 WCBS-2 New York (720) 1700 WABO-12 Rhinelander (230)  
 Tr 0620 WTCN-11 Minneapolis (320) 1700 KDMN-11 Des Moines (310)  
 0645 KEYC-12 Mankato (330) 2000 Cleveland, Dayton U's  
 0645 KVPD-21 Ft. Dodge (320) 2100 WQLN-54 Erie (400)  
 0645 K32AA Waterloo (230) 2200 WOSU-34 Columbus (320)  
 8-21 Tr 0613 KMEG-9 Kansas City (430) 8-27 MS 0445 WBZ-4 Boston (850)  
 0620 WHO-13 Des Moines (310) Tr 0448 WIIC-11 Pittsburgh (430)  
 0645 KCMO-5 Kansas City T 0500 K1KA-2 Pittsburgh  
 0645 KUHI-16 Joplin T 0530 WTRF-7 Wheeling (420)  
 0645 KTSB-27 Topeka T 0550 WWUP-10 Ste. St. Marie  
 1605 KINL-30 St. Louis (300) 0555 WHEH-25 Evansville (320)  
 1630 KRCG-13 Jeff. City (360) 0600 WTCN-11 Minneapolis (320)  
 1630 KCBJ-17 Columbia (340) 0655 KEYC-12 Mankato (330)  
 1710 KOMU-8 Columbia 1830 WQLN-54 Erie (400)  
 1730 WQLN-54 Erie (400) 2000 WUTV-29 Buffalo (460)  
 8-22 Tr 0455 KMOX-4 St. Louis (300) 2155 WBJA-34 Binghamton (620)  
 0520 WHAS-11 Louisville (330) 2201 WICZ-40 Binghamton  
 0543 KNOE-8 Monroe (750) 2202 WENY-36 Elmira (570)  
 0545 WJTV-12 Jackson (730) 2210 WJET-24 & WSEE-35 Erie  
 0545 KPVS-12 Cape Girardeau 8-28 Tr 0430 WIIC-11 Pittsburgh (430)  
 0600 Lexington UHF's 0448 WTAJ-10 Altoona (510)  
 0602 WHO-13 Des Moines 0503 WKBW-7 Buffalo (460)  
 0602 WLBT-3 Jackson (730)--long- 0520 WSYE-18 Elmira (570)  
 est low-band tropa) 0521 WERE-28 Wilkes-Barre (620)  
 0605 KTHV-11 Little Rock (600) 0600 WPMJ-21 & WKRN-27 Y-town (380)  
 0608 WHBQ-13 Memphis (530) 0702 WSEE-35 Erie (400)  
 0647 KRCG-13 Jefferson City 0725 WVIA-44 Scranton (630)  
 0720 WMAA-29 Jackson (730) 9-2 Tr 0703 WJET-24 Erie (400)  
 0724 WMAV-18 Oxford (570) 9-8 Tr 0630 WRFT-27 Roanoke (560)  
 0733 WMAU-17 Bude, MS (780) 0800 WETA-26 Washington Tent.  
 0737 WMAO-23 Greenwood (640) 9-10 Tr 0457 WSTV-9 Steubenville (410)





runs a TP with no call at 6:30 AM usually. KEZI-9 Eugene runs a regular ID slide at 7 AM. KOAC-7 Corvallis has TP no call at 2:30 PM.

KOIN-6 has reported they will be chopping three CBS programs this fall (no mention of which) to have more time for local programming. KPTV 12 will pick up the three shows.

25 Es 1400	KLNE- 3	Lexington NE	N	29 (Es) 1505	KNOP- 2	North Platte NE	N
Jun 1435	CBMT 6	Winnipeg Man	N	1930	KMTV 3	Omaha NE	N
1436	CBMT 3	Winnipeg Man	N	Jul 6 Es 2000	KWGN 2	Denver CO	N
1434	KDIX- 2	Dickinson ND	N	7 tr 2030	KOBI 5	Medford OR	N
1437	KXJB- 4	Valley City ND	N	2045	KMED 10	Medford OR	N
1433	KOTA- 3	Rapid City SD	N	Aug 5 Es 1200	KDLO- 3	Watertown SD	N
1435	KDUH- 4	Hay Springs NE	N	2 tr 0600	KVOS-12	Bellingham WA	N
				0605	KING- 5	Seattle WA	N

KVOS-12 was a big surprise—excellent audio, weak video. Just then, KPTV 12 came on. KING-5 was very weak on audio and video.

As I will be going to Oregon State University in Corvallis this September, I might get a chance to visit KOAC-7. 73's.

Dennis Smith, 450 Poplar Avenue, Wesco, California 93280 (1973 to 10 Sept) (PST)

Most of the time, I was in Chico, but was in Wesco for a few days in spring, then for several weeks in summer (though still in and out), late June to departure on 10 Sept morning. The well-worn equipment includes a 1954 Zenith 21" console (Chassis 19L28), a 1962 Blonder-Tongue BTU-2S UHF Converter (the Zenith's UHF tuner quit several years ago), and a 1954 Welsco VHF-UHF 2-bay Stacked-V antenna (though through replacement of elements and crossarms over the years, nothing remains of the original antenna) about 45 feet above ground. Ground elevation is 325 feet above sea level. July:

2 Es 1512 f/in ch 2	18 (Es) 1250 t/in ch 2-3
1430 CKSA- 2	Lloydminster Alta 1300
1405 CFCN- 2	Calgary Alta 7 T1110
1620 CFRN- 3	Edmonton Alta 1300
1640 f/out	22 Es 1130 t/in ch 2-4 (MUF ch 5 W1135)
11 Es 1640 t/in ch 2	1132 KMID- 2
1659 KTW- 2	Casper WY 860
1703 f/out	KWAB 4
16 Es 1855 t/in ch 2-4	Big Spring TX 1050
1900 KFDX- 3	Wichita Falls TX (atill in) 1050
1905 apx f/out	WBAP- 5
17 Es 1800 t/in ch 2	Ft. Worth (cookshow) T1300
1800 KMID- 2	(ch5 f/out 1140)
1830 KWAB 3	Big Spring TX 1050
1850 unId 6	1230 KMID- 2
1900 WBAP- 5	Fort Worth TX 1300
2030 (MUF ch 4)	1820 apx f/in ch 3 (CTV) (CFRN-7)
18 Es 0730 ch 2 traces	1830 CFAC- 2
	Calgary Alta 1110
	Aug 23 Es 1605 t/in (perhaps f/in)
	unId 2 (Spanish)
	1700 XEPE- 3
	Monterrey NL 1350
	1800 KFDX- 3
	Wichita Falls TX 1220
	1815 apx f/out

By the time I got to Wesco from Chico to try a bit of DXing, the best part of the season had already passed, as usual. Our west-coast inversion condition was quite stable much of the time in August, allowing some FM listening (see FM report) and morning reception of KTXL 40 Sacramento CA (215 mi) but nothing spectacular or unusual. As September began, the stable ducting broke down, at least in the Central Valley. No new loggings, so the log remains at 148. I left Wesco 10 September, eventually to arrive in Eugene, Oregon for the start of the school year; probably no chance to DX there.

Richard Allen, Billings, Oklahoma 74630 (1 - 27 Aug) (CST)

Receiver:	1969 model Philco-Ford 12-inch black & white
Antenna:	Winegard 11-element VHF log & Archer 44-element VHF log, at apx 30 feet
1 tr 2130K7MEK 70	Arkansas City KS 55 (13 MS) 0436 WBBM- 2
(relaying KTVH 12)	Chicago IL N 630
5 Es 1830 CKCK- 2	Regina Sask 1020
1850 CJIC- 2	Sault Ste Marie Ont 970
1955 KUTV 2	Salt Lake City UT 840
8 tr 2258 KBMA 41	Kansas City MO N 250
(s/off at 2305	18 tr 0725 KXTX 33
	Dallas TX N 260
11 tr 0755 KFWU 11	Topoka KS N 190
(s/on at 0800)	22 MS 0446 WLV-D 2
12 tr 0900 KWTG 27	Springfield MO 245
Es 1700 XEPE- 2	Nuevo Laredo Tams N 620
MS 0413 WLV-D 2	Dayton OH (aud. only) 800
27 tr 0545 KAUZ 6	Wichita Falls TX N 190

A new job allows me less time to DX, as I must commute 25 miles to work, in Enid. Es openings have been fewer during August, and TROPO remains rare here. Totals to date are 78 stations (including UHF & 1 translator) from 26 states, 4 provinces and 4 estados. Good DX & 73's.

Glenn Hauser, 620 N. Husband, Stillwater, Oklahoma 74074

(20 Jul - 31 Aug) (CST)

Basically the same antenna and receiver arrangement exists at my new non-Von Army QTH, but antennas are lower and masked by high noise level and CATV QRM. Occasionally I get back to Enid to view the CATV QRM there, and hopefully add to a 300+ total accumulated there in heavy activity during 1961-68.

Enid OK:  
 29 Es 0929 WGBD-2 SC 1040 10 tr 0759 KAYS-7 KS 225 17 tr 0928 KGIN-11 NE 325  
 1100 unId 3 Es 0853 WMAZ-2 MD T 1035 KFFE 29 NE 325  
 (MUF 98.5) 18 tr 0745 WTCN-11 MN T  
 20 tr 2038 KXNE 19 NE 405  
 23 Es 1745 XEW-2 DF 1130  
 1745 XEZ-3 Gro 1050  
 (novels SS//2)  
 1755 XEHL-6 Jal T  
 (MUF 91.3)  
 1825 XHGG-5 DF T  
 1845 XEFP-3 NL 745  
 1915 XHZ-5 Gro 1050  
 1933 XHP-3 Pue 1155  
 (EnPontoxx w/Healy)  
 1949 XHD-4 Tams 940  
 (Mex MUF 95.3)

Stillwater OK:  
 5 Es 1701 CBWFT-3 Man N 940  
 (French) (MUF 98.3)  
 1718 WEDU 3 FL 1010 tr 0943 KTSB 27 KS 215  
 1728 WSAV-3 GA T 0943 KMTC 27 MO 220  
 1751 KFYR-5 ND N 765 12 Es 0949 unId 4 995  
 1734 CKOS-3 Sask 1075 GW 0521 WCIV 4 SC 995  
 (ad noted CST) Es 1558 XEZ-3 Gro 1050  
 1900 CKPR-2 Ont 945 1600 XEW-2 DF 1130  
 1904 CKCK-2 Sask 1065 1600 XHD-4 Tams T  
 1915 unId 4 1614 XHPM-2 Ver T  
 2009 WBTW-3 NC T 1645 XHY-3 Yuc T  
 2030 KID-3 ID 970 (MUF 88.9)  
 2040 KORK-3 NV T 1701 XEFP-3 NL 745 Enid OK:  
 0737 WUND-2 NC 1145 (Noticierodel 3plurw/Id) 24 Es 1902 XHY-3 Yuc 1185  
 0744 WUNC-4 NC 990 1702 XEFP-2 Tams 615 tr 1930 KTBS-3 LA 330  
 8 Es 1211 WDCN-2 TN T (ads w/N.L. addr.) 25 Es 1345 XEFP-3 NL 750  
 1542 WEDU 3 FL 1010 1806 KORK-3 NV T (nx show)  
 1543 WJXT-4 FL T 1823 KOAI 2 AZ 815 1403 WUNC-4 NL 1040  
 1544 WCTV-6 FL T 13 tr 0440 WFAA-8 TX 245 1424 WSB-2 GA 795  
 1546 WRAL-5 NC 1025 14 tr 0803 KPTS-8 KS 140 1424 WGBD-2 SC 1040  
 1558 WJAY-3 NC 1065 0825 KTEK 70 KS (CBS) 1432 WSAV-3 GA 1000  
 1606 WBTW-3 NC 900 Arkansas City 1433 WCIV 4 SC 1040  
 (MUF 90.5) Es 0932 unId 3 1450 WJAY-3 NC T  
 1641 WGBD-2 SC 995 tr 2300 KCBJ-17 MO 305 1457 WFMY-2 NC 1000  
 1659 WSAV-3 GA 945 Until the next, 73.

(Correction in Pat's August-column report--18 Jun Es reads "1125 WMT-2 MN 1110," should read: 1125 WMT-2 IA Also omitted at the top of that report  
 1129 WCCO-4 MN 1110 were the dates of Pat's reporting period:  
 (aud&vid over local) (10 Jun - 3 Jul)

Pat Dyer, 5315 Silvertop Drive, San Antonio, Texas 78228 (30 Jul - 29 Aug) (CST)

Receiver: 1971 model 9-inch black-and-white Penncrest  
 Antennas: Archer V-100 and 8-bay UHF bow-tie at 20 feet

31 Es 2000-40 2-6 unId (4/Es) 1628 WEDU 3 FL 1050 (5/Es) 1345 TGV-3 Gout 1120  
 2000 WESH-2 FL 11050 1701 WEAR-3 FL 675 1445 f/out  
 2005 WECT 4 NC 11240 (MUF 90.1) 1728 WTIQ 2 AL 735 1705 WJAY-2 WI 1150  
 2020 WGBD-2 SC 11105 1729 WRBL-3 GA 825 1721 WISC-3 WI 1035  
 WJAY-3 NC 11240 1730 WTVY-4 AL T 790 1730 KMTV 3 NE T 795  
 MS 2323 KPIX-2 ND 1180 1645 WSAV-3 GA 11040 1740 WJAF-4 MO T 680  
 (+PBS Watergate bursts) 1759 KID-3 ID 1190 (MUF 94.3 by 1800)  
 tr 2338 WBAF-5 TX 240 1828 KUTV-2 UT 1055 1859 WJAY-2 WI 1150  
 1 Es 1855-1910 ? 2-4 Span. (ant. set still at 1859) 1959 KTVB-2 MN 1065  
 MS 2300+ (PBS Watergate bursts) 1828 KUTV-2 UT 1055 WCCO-4 MN T  
 2 tr 0014 KDFW-4 TX 250 KCPX-4 UT 11055 2115 f/out  
 Es 1520 unId 2 (MUF 88.9) 2030 KTVQ 2 MT 1210  
 MS 2109+20 KUSD-2 SD 880 1930 apx f/out 2240-45 2 unId  
 (SD PTV logo) 5 Es 0855 KTW-2 WY 985 6 Es 0920 unId 2  
 2 Es 2015-2115 ? 2-4 Span. 0929 KTVQ 2 MT 1210 KNXT 2 CA 11190  
 2035 KWGN 2 CO T 780 0959 KUTV 2 UT 1055 1920-2000 2,3 unId  
 4 Es 1500 YSR-2 EIS. 11200 KCPX-4 UT 11055 1925 WSAV-3 GA 11040  
 YSU-4 EIS. 11200 1058 WJBK-2 MI 1205 1931 WGBD-2 SC 11105  
 1500 TGV-3 Gout 11120 1174 WFMY-2 MO 1160 2 Es 0910-1040 2,3 unId  
 unId 5 Spanish 1159 WKZO-3 MT 1110 0959 WJAF-2 OH 1050  
 1559 WDCN-2 TN 810 1255 WSJK-2 TN 1000 1029 WGBD-2 SC 1105  
 WSJK-2 TN 1000 WBTW 3 NC 11090 1010 WSAV-3 GA 11040  
 (MUF 90.3) 1300 temp. f/out 8 Es 1150-1710 2-6 unId  
 1610 WJAF-2 OH 1050 1340 YSR-2 EIS. 1200 (MUF 89.3 @ 1512)  
 1618 WESH-2 FL 1050 YSU-4 EIS. 11200 1159 WJAF-2 OH 1050



# WESTERN TV-DX

October 1973

(8)(Es) 1429 WLW-D 2 OH 1050	(14)(Es) 1240 f/out	(23)(Es) 2230 f/out
1500 WWAY 3 NC 1240	15 Es 0910-1135 2,3 unIds	tr 2331 KHAB- 7 TamT 250
WECT 6 NC T1240	(often vy choppy fade)	XHAH- 8 Ver T 700
WUNC- 2 NC T1340	1055 KUTV 2 UT 1055	XHFV- 9 TamT 505
1504 WUNC- 4 NC T1200	2135-2225 2,3 unIds	XHBR-11 TamT 145
WCIV 4 SC T1105	16 Es 1145 KNXT 2 CA T1190	XEPB- 3 NL T 270
1659 WPMY- 2 NC T1160	17 tr C759 KMID- 2 TX 280	24 tr C013 XET- 6 NL T 270
1815 unIds 2,3 (north)	Es 1010-30 2 unIds	XHAJ- 5 Ver T 700
MS 2337 KVCA- 4 AZ T 720	1029 KORK- 3 NV 1055	0031 XHX -10 NL 270
2 Es 0700 WESH- 2 FL 1050	(agn 1820 tent)	0800 KSEL-28 TX 340
0720 WEDU 3 FL 975	1820-30 KNXT 2 CA T1190	KCBF-11 TX 340
0740 KOAI 2 AZ 845	2240-2350 2,3 unIds	0859 KLBK-13 TX 340
0743 KORK- 3 NV 1055	2336 KUTV 2 UT 1055	0915 KERA-13 TX T 250
0758 KNBC- 4 CA T1190	21 tr 2335 KRBC- 9 TX 215	0931 KXTX-33 TX (on)240
0812 unIds 2-6	20 tr 0834 KVRL 26 TX 185	0955-1020 2 unIds-na
(MUF 89.7, spotty)	KFTV 39 TX 185	0958 KTVT 11 TX 240
0827 WCTV 6 FL 860	Es 1145 WBAV- 2 WI T1150	1030 WFAA- 8 TX 250
0929 WESH- 2 FL 1050	1150 WISC- 3 WI T1035	1040 KVRL 26 TX 185
0959 KNXT 2 CA T1190	1155 WTMJ- 4 WI T1070	Es 1050-1110 2 unIds-na
KTVK 3 AZ 830	1240 f/out	1450 unIds 2 (brief)
1050 f/out	21 Es 1300 KDIX- 2 ND 1180	1515-25 2,3 unIds
10 tr 0510 WBAP- 5 TX 240	1310 KOTA- 3 SD T1005	1558 WSAV- 3 GA 1040
MS: tried, little success.	1420 f/out (unIds 2,3)	1630 WGBD- 2 SC T1105
Es 0840-0940 2,3 unIds	1540-50 2,3 unIds	1743 WESH- 2 FL 1050
0850 CKOL- 2 Ont 1380	1750-1815 2,3 unIds	1759 WPBT 2 FL 1140
0859 WBBM- 2 IL 1020	1759 WPBT 2 FL 1140	1806 WTVJ 4 FL T1140
MS 1022-26 2-7 unIds	MS 2100 WSJK- 2 TN 1000	1810 WCIX 6 FL T1140
(largest bursts since 8-2-72)	(new mode)	1900 unIds 2 Sp-Cuba?
11 MS 0856-58 2-6 unIds	22 tr 0812 KVRL 26 TX 185	(to apr 1910)
12 Es 1615 unIds 2-6	KFTV 39 TX T 185	2030-2115 2 a/choppy,
YSR - 2 ELS T1200	Es 0829 KDLO- 3 SD 1025	but doubt Es-TE link
YSU - 2 ELS T1200	unIds 2,3,4,6	v/solar level so low)
TGV - 3 Guat T1200	0859 KNOP- 2 NE 785	tr 2230 KMOH- 9 TX 290
1715 KTVI 2 MO 760	KOTA- 3 SD 1005	25 tr 0020 KSWB- 8 NM 440
1729 KOTA- 3 SD 1005	0929 KTVS 3 CO 790	0031 KSWB- 8 NM 440
1759 KLINE- 3 NE 760	0931 KWGN 2 CO T 780	Es 1035 WTVY- 4 AL T 790
1800 WCGO- 4 MN T1065	0955 KNXT 2 CA T1190	1059 WRIQ- 2 AL 735
1810 KNFL- 6 NE T 760	1007 KOAI 2 AZ T 845	WESH- 2 FL 1050
1829 KMTV 3 NE 795	1715-30 ?- 2 Sp,Cuba?	WGBD- 2 SC T1105
(MUF to 94.9)	1915-25 2 unId	WSAV- 3 GA 1040
1859 MUST- 2 SD 880	23 tr 0745 KVRL 26 TX 185	1115 WCTV 6 FL T 860
1950 KORK- 3 NV T1055	KLNI-15 LA 395	(MUF 89.9)
XNBC- 3 BCN T1020	WRBT 33 LA 450	1150 WTVJ 4 FL T1140
1959 KTCA- 2 MN 1065	KFTV 39 TX T 185	1155 WPBT 2 FL 1140
2030 f/out	KPLC- 7 LA T 320	1357 WSAV- 3 GA 1040
11 Es 1940 KORK- 3 NV 1055	(23) Es 1205 unId 2 (w/brief)	12-1400 2-4 unIds
1947 KOAI 2 AZ 845	1455 unIds 2,4 Spanish	(MUF 88.5 apr 1420)
2026 XNBC- 3 BCN 1020	1810 KWGN 2 CO T 780	1431 WLW-D 2 OH 1050
2034 XHQA- 5 BCN T1020	1812 KRMA- 6 CO T 780	1502 WJBK- 2 MI 1240
XETV 6 BCN T1110	1900 unIds 2-6 (MUF 89.9)	1520 f/out
2038 KNXT 2 CA 1190	1955 XNBC- 3 BCN 1020	2110-20 2 unIds-na
2050 f/out	1959 KNXT 2 CA 1190	26 Es 0745-0930 2,3 unIds
2135-2200 2,3 <sup>agn</sup> spotty	2015 KNBC 4 CA T1190	(MUF may be higher
14 Es 1029 KDIX- 2 ND 1180	2016 KTVK 3 AZ T 830	but trop CCI heavy)
1047 KHPL- 6 NE T 760	2059 KORK- 3 NV 1050	0829 WJBK- 2 MI 1240
1050 KDUH- 4 NE T 915	2105 KOAI 2 AZ 845	KTVI 2 MO 760
1055 KOTA- 3 SD 1005	2120 KVVU 5 NV T1050	Es 1805 unId 2 Sp.brief
1129 KTWG- 2 WI 985	2145 XHQA- 5 BCN T1020	28 Es 1015 unIds 2,3 briefly
1159 KWGN 2 CO 780	(MUF to 95.5 agn)	

Es still giving rather good levels thru August. The last week activity very good somewhat like 1963's long season.

Meteor activity didn't work out as well as expected on TV. Did try some direct visual observations while listening on FM set. Details in FM report.

Have been trying some photo shots with Tri-X film. Results better than previous attempts but a close-up lens is in order when I've only a 6-inch screen for a target.

Might try to put together that pre-amp in Morrie's Ham Radio article. 73, WA5IYX.



# VHF UTILITY DX

Pat Dyer  
5315 Silvertip Drive  
San Antonio, TX 78228  
Deadline: 12th of month

OCTOBER 1973

Richard T. Colgan, PO Box 18268-Serna Station, San Antonio, TX 78218  
Realistic PRO-2; Midland 13-920; Petersen HL-44; Mon-8 @ 40 ft; GMT  
"a representative sample of DX" logged

<u>6-19:</u>	0301, KDC	337	39.90	Dakota City, NE (sheriff)	
	0333, KAD	539	39.58	Alma, KS (sheriff)	
	0357, KOG	596	45.66	Salt Lake City, UT (sheriff)	
<u>20:</u>	0342, KSB	482	39.46	Baraboo, WI (sheriff)	
<u>22:</u>	0001, KLR	411	37.26	Brownsville, TN (police)	
<u>24:</u>	1721, KRJ	780	39.90	Springfield, NE (sheriff)	
	1733, KKC	519	45.10	Columbus, MS (police)	
	2321, KSH	852	39.50	Beardstown, IL (police)	
	2339, KAA	288	39.46	Marion, KS (sheriff)	
<u>26:</u>	1613, KMD	770	45.02	Los Angeles, CA (state police)	
	1802, KME	293	46.06	Garden Grove, CA (fire)	
		KMD	639	46.06	Orange, CA (county fire)
	1907, KBO	573	42.50	Glendale, CA (state police)	
	1958, KOF	527	42.82	Copper Mountain, CA (state police)	
	2059, KCU	200	33.94	Metairie, LA (county fire)	
		KOP	575	33.94	Gretna, LA (fire)
	2136, KIB	473	45.06	Pensacola, FL (state police)	
	2159, KIP	708	46.06	Fruitville, FL (fire)	
	2205, KSA	771	42.42	Seymour, IN (state police)	
<u>28:</u>	1531, KIC	986	37.26	Clinton, TN (sheriff)	
	2316, KGT	618	45.06	Madison, FL (sheriff)	
	2332, KIB	594	42.02	Tifton, GA (state police)	
<u>29:</u>	0048, KIH	863	42.10	Chester, SC (state police)	
<u>2-10:</u>	0036, KCB	979	33.90	Norwich, CT (fire)	
	0047, KCB	281	33.90	Bridgewater, MA (fire)	

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD 20015 Regency DR-200; indoor 19" vert for hl, 8' wire for low at Fair Haven cottage; 50' outdoor at Chevy Chase; Regency AR-136D, Blonder Tongue FM Booster, Penco 10-el FM Yagi at cottage; SP-600, 50' long wire each QTH. QSLed DX; GMT

6-16:	1713, KSA	973	39.50	Paxton, IL (sheriff; 500 watts)
17:	2105, N7TK		119.7	ov Naval Academy, Annapolis, MD (William E. Gilbert; Grumman Widgen Amph. 1500'; 25 w)
24:	1843, KKD	614	39.50	Covington, LA (sheriff; 300 watts)
28:	0214, KSC	789	39.50	Oquawka, IL (sheriff; 500 watts)
29:	2220, KAA	979	37.10	Oskaloosa, IA (police)
	2223, KAD	447	37.10	Bloomington, IA (sheriff; 100 watts)
	2231, KAM	799	37.10	Burlington, IA (sheriff; 250 watts)
7-4:	1436, N3077D		123.6	ov Salisbury, MD (John C. McKellar, Sr.; Cessna 310; 2-engine; 5-seat)
7:	1740, N1012G		119.7	ov Severna Park, MD (Hop Flight, Inc.; American 'Yankee' AAL, 1-eng, 2-seat; 2000 ft)
	2130, N5353Q		122.8	vic Easton, MD (B&M Flyers; Cessna 150L)
10:	2341, KIC	369	37.26	Cleveland, TN (police)

Lee Vulgamott, Box 177, Williams, IA 50271 Regency TMR-8H/LM scanner with Antenna Specialist MON-8; offers aid in IDing Iowa police; GMT

5-28:	2255, KKH	300	37.10	Bentonville, AR (sheriff)
6-7:	1550, KQH	905	37.10	Ann Arbor, MI (sheriff)
13:	1803, KKC	381	37.10	Houston, TX (sheriff)
7-12:	2357, KCA	986	37.10	Clinton, MA (police; QSL)
28:	1423, KEB	301	37.10	White Plains, NY (police)
	1454, KEB	208	37.10	Ossining, NY (police; QSL)
8-3:	1800, KIH	616	37.08	Tallahassee, FL (sheriff)
5:	1313, KCO	378	37.10	Belmar, NJ (local government)



## VHF UTILITY DX

OCTOBER 1973

My loggings. Hallicrafters SX-62 with International Crystal SAX-1 preamps, Allied A-2586, 30-ft indoor random-wire antenna; Es unless noted \* F2, \*\* F2 backscatter; daily peak Latin American F2 MUF noted if 35 MHz or more; lower underlined, CST used; solar noise matching SESC report

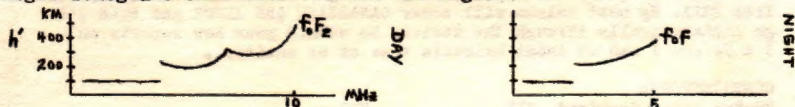
8-15: 0947, KMA 829	24: 1652, KSJ 815	3: 1932, KLF 527 *
1130, KSC 645	1704, KQC 884	4: 1525, 36.5 *
1212, L Beach	2035, KME 438	1557, KMA 829 **
1319, KQC 877	2047, L Beach	5: 1534, KMA 829 **
16: 1140, KMA 829	2053, KMA 829	38.7 *
17: 1110, KMA 829	2117, KMA 829	2: 1726, KKV 690 **
1802, L Beach	2119, KQC 884	1743, 42.2 *
20: 1041, Madison	2121, KQC 877	1819, KMA 829 **
1101, KSC 645	2127, KQD 607	1823, KLR 503 *
1104, KDN 402	2131, KSC 645	1828, KCE 681 *
1310, KAA 971	31: 1310, 36.8 *	10: 1540, 47.7 *
21: 1325, OK City	2-1: 1500, 36.3 *	1643, KLF 527 *
1358, KDN 402	2: 1505, 36.9 *	1658, KKV 690 **
22: 0937, KDN 402	1: 1327, sol. noise	1700, KMA 829 **
23: 1806, KLF 527 *	1721, sol. noise	1720, KFL 943 **
24: 1107, KQD 313	1730, KKV 690 **	11: 1705, 40.9 *
1114, KSC 645	1739, OK City **	1744, KMA 829 **
1132, KQD 607	1740, 37.4 *	1803, KKV 690 **
1530, KIQ 999	1913, KFL 943 **	12: 1545, 44.6 *

KAA 971 42.5-	Storm Lake, IA-sp	KQC 877 35 -	Cincinnati, OH
KCE 681 33.70	Rockland, ME-f	KQC 884 35 -	Detroit, MI
KDN 402 35.54	Omaha, NE	KQD 313 35.50	Dayton, OH
KFL 943 35.58	Las Vegas, NM **	KQD 607 35.50	Grand Rapids, MI
KIQ 999 35.34	Mobile, AL	KSC 645 35.58	Chicago, IL
KKV 690 35.62	Houston, TX	KSJ 815 35.22	Fort Wayne, IN
KLF 527 35.22	Honolulu, HI **	- 35.58	Long Beach, CA *
KLR 503 33.02	Boston, MA-h	- 35.42	Madison, WI-mp
KMA 829 35.58	San Diego, CA	- 35.58	OK City, OK *
KME 438 35.22	Orange, CA	(KAA 973 42.58	Fairfield, IA-sp)

f-fire; mp-mobile phone; h-hospital; sp-state police; rest are pagers  
tone except \* voice, \*\* tone message with voice ID

As this column is the only one in the VUD that encounters any great amount of F2 DX, some explanation of that layer and its behavior is felt in order. These will be fitted into the column as space permits.

As far as VHF is concerned, the most striking trait of F2 is that it is a daytime phenomena (though sometimes may peak in late afternoon or early evening with a magnetic storm onset). The difference in day and night ionograms show this best in the figure.



At night the F1 and F2 layers effectively merge. (For figure notations see Dec 1972 VUD, p. 6). Unlike the other lower layers it does not almost completely disappear. This is due to the comparatively low particle density at F2 heights (on the order of one ten-billionth to one trillionth that of sea level) with the fewer free electron collisions slowing recombination.

-to be continued-

73, Pat WA5IYX



# TV QSL CORNER

Just got a bundle of BILL MATHEWS old reports when he had the column. I will go through them by state and am starting with, of course, FLA and then ALA. This column will be a little short because I'm packing for a trip to MEXICO this weekend (Sept.15). In the future when you send reports I'd appreciate it if they are printed or typed on 3 x 5 index cards with only one state on each card. This will make my sorting bearable, I hope. Also no repeats unless it's something special like the BMC on ch. B1. All contributors will be listed by initials after the report and listed by name at the bottom.

FLA: WESH ch.2 DAYTONA BEACH, non-specific ltr. sig. WALTER STROUSE, station manager. Time: 9 days. (RH).  
WTVT ch.4 MIAMI, ltr. sig. JOE KLINE, director of technical operations. Time: 6 days. (JS).  
WJXT ch.4 JACKSONVILLE, non-specific pic. post card. sig. GEORGE WETMORE, co. Time: 13 days. (JR). card. same sig. (DE).  
WUFT ch.5 GAINESVILLE, ltr. sig. ROWLAND MEDLER, engineer. (JR). same. (KRS). (I went to school across street from WUFT studios)  
WCLX ch.6 HOMESTEAD, ltr. sig. DEBORAH H. BUSSEY. (PL). ltr. (CMS). card. sig. JACK GOWART, chief engineer. (KRS). \*\*THEY OPERATE XLTRS W61AA-Fort Lauderdale; W64AD-Boca Raton; and W69AA-Hollywood.  
WCTV ch.6 TALLAHASSEE, ltr. sig. CHARLES CLIFTON, chief engineer. Time: 6 days. (PL). ltr. sig. CHARLES CLIFTON, chief engineer. Time: 21 days. (DE).  
WDBO ch.6 ORLANDO, ltr. sig. CHALMERS S. STROMBERG, co. Time: 16 days. (DE).

\*\*As far as I can tell all FLA stations will QSL somehow. WPTV-5 (my local) is preparing a QSL card in the near future which will show their building and logotype.

ALA: WDIQ ch.2 DOZIER, ltr. and ALA ETV booklet. sig. AL RENFRO, engineering and Technical director. Time: 8 days. (JS). same, Time: 10 days. (JM).  
WKRC ch.5 MOBILE, ltr. sig. CURTIS B. WILLARD, co. Time: 26 days. (PL).  
WALA ch.10 201 Government St. MOBILE, 36601, ltr. sig. GRADY JACKSON, co. (KRS).  
WAPI ch.12 BIRMINGHAM, ltr. sig. PAUL D GROSS, co. Time: 6 weeks. (GH).  
WRMG ch.42 BIRMINGHAM, ltr. sig. CHARLES ROUNDTREE, program operations. Time: 11 days. (RLB).

I'm currently going bananas, sorting through the hundred or so reports from Bill. My next column will cover CANADIANS AND XLTRS and then I'll go alphabetically through the states. So submit your new reports on 3 x 5s and I can at least maintain some of my sanity...

## CONTRIBUTORS:

RH-Ron Hade, Rockford, Ill.

JS-John Sally, Wickliff, Ohio

JH-Jeff Hotakkin, Oneota, NY

DE-David Egan, Valleyfield, Que.

JR-J.J. Rosenberg, Downsview, Ont.

GH-Glenn Hauser, Stillwater, Okla.

...73's KEN SIMON/528 PILGRIM RD./WEST PALM BEACH/FLA.33405

.....keep those letters and cards coming...

KRS-me

CMS-C.M.Stanbury II, Crystal Beach, Ont.

JM-Joseph A. Markewicz, Winnipeg, Man.



# STATION BREAK *ADS*

CB MAGAZINES, Radio Today (October & December '73 - final issues), S9 October '71 to September '72, included. Total of 14 books. Value \$10. First reasonable offer. J.J. Rosenberg, 47 Pannahill, Downsview, Ontario M3H 4N4

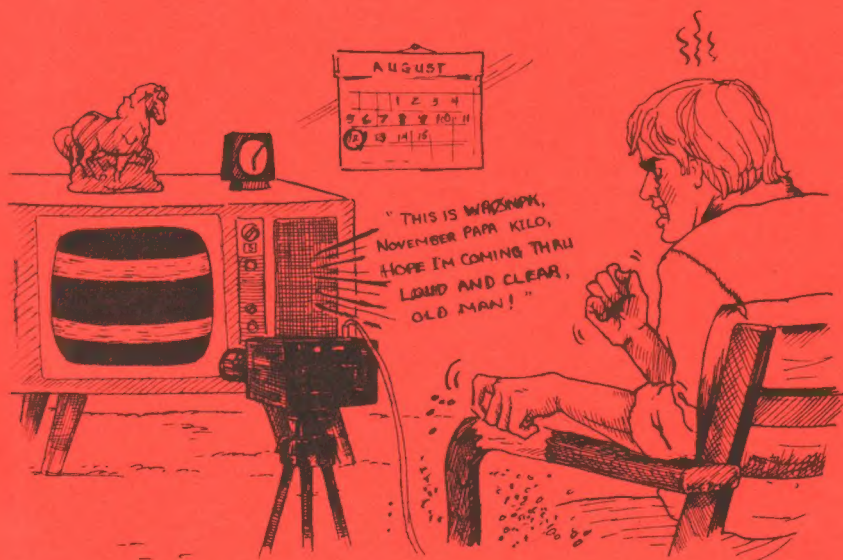
CHANNEL MASTER 7008 traps. Two section; tunable from 50 - 108 MHz. 60 db attenuation w/75 ohms. Excellent for adj. chan. interference problems. Cost \$30, sell for \$20 each. J. Stiles, Carleton College, Northfield, MN 55057

TV FIELD STRENGTH METER. Sencore, model FS-134, brand new and with warranty. Cost \$270, will sell for \$200. Bill Smith, WSTVB, PO Box 18904, Oklahoma City, Oklahoma 73118.

REX-ROTARY ELECTRIC MIMEOGRAPH MACHINE. Silk screen design; fully automatic. As used to publish early VUD's. Write for details if interested. WTFDA, P. O. Box 163, Deerfield, IL 60015.

HALLICRAFTERS S-94 30 to 50 MHz receiver. Sensitive tube-type circuit. In excellent physical and electrical condition, but less squelch circuit. Used to rcv BBC & ORTF audio. \$30. M. Goldman, 5815 N Christiana, Chicago, IL 60659

YOUR non-commercial ad could be here, free of charge! 3 line or 30 word limit. Write: WTFDA, PO Box 163, Deerfield, IL 60015. (ads subject to editing)



DXing the Perseids Meteor Shower

P. O. BOX 163  
DEERFIELD, ILLINOIS 60015



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# THIRD CLASS